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West China Union University

ANNUAL CATALOGUE

and

BULLETIN OF GENERAL INFORMATION



CHENGTU, SZECHWAN

1935 - 1936

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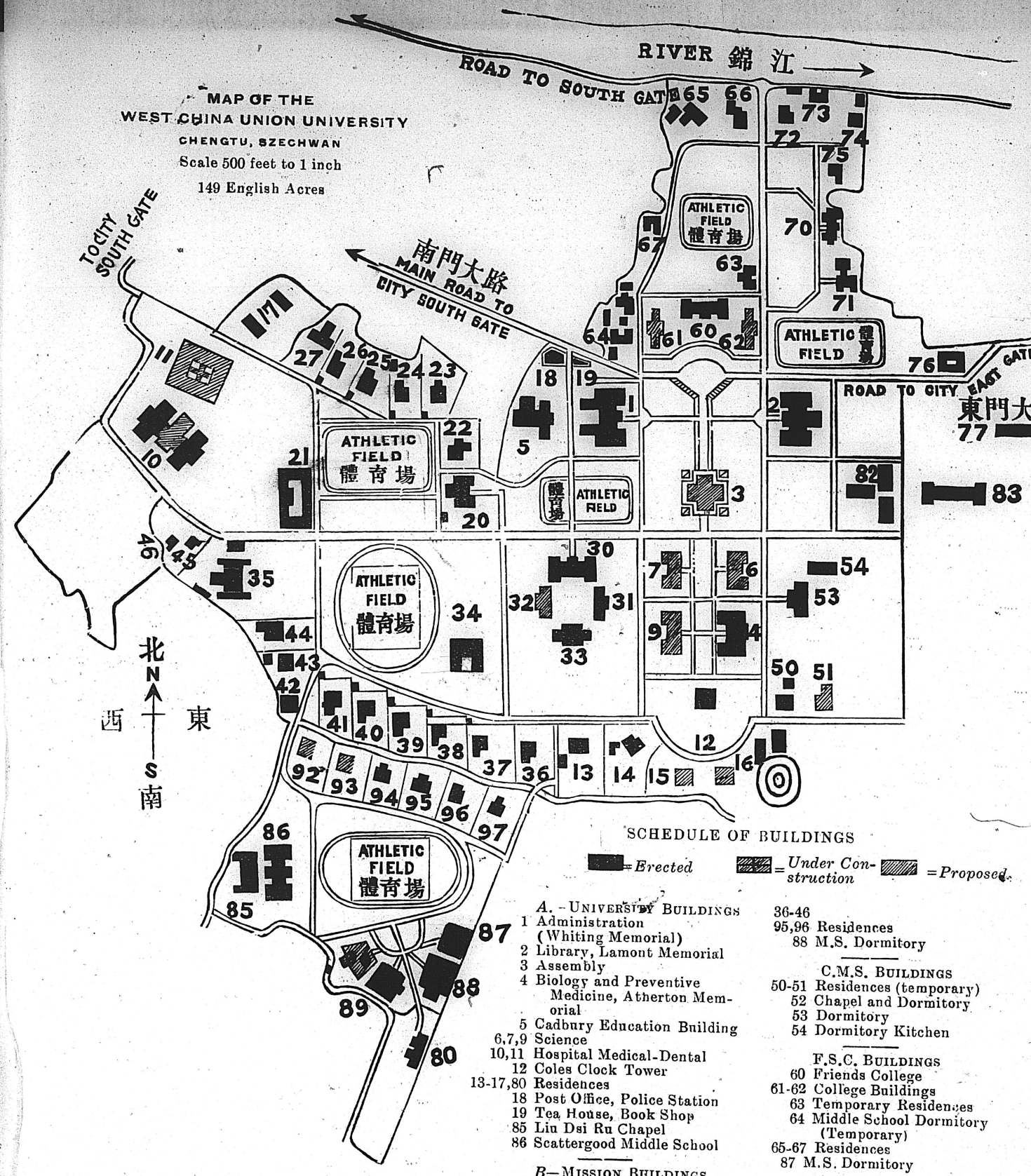
MAP OF THE WEST CHINA UNION UNIVERSITY

CHENGTU, SZECHWAN

Scale 500 feet to 1 inch

149 English Acres



SCHEDULE OF BUILDINGS

■ = *Erected* ▨ = *Under Construction* ▨ = *Proposed*

A. – UNIVERSITY BUILDINGS

1 Administration (Whiting Memorial)
2 Library, Lamont Memorial
3 Assembly
4 Biology and Preventive Medicine, Atherton Memorial
5 Cadbury Education Building
6,7,9 Science
10,11 Hospital Medical-Dental
12 Coles Clock Tower
13-17,80 Residences
18 Post Office, Police Station
19 Tea House, Book Shop
85 Liu Dsi Ru Chapel
86 Scattergood Middle School

B—MISSION BUILDINGS

A.B.F.M.S. BUILDINGS

20 Vandeman College
21 Middle School Dormitory
22-27,93 Residences
90 M.S. Dormitory

U.C.C.M. BUILDING

30 Hart College
31-32 University Dormitories
33 Gymnasium
34 Teachers' Residences (Temporary)
35 Canadian School (For Missionaries' Children)
36-46
95,96 Residences
88 M.S. Dormitory

C.M.S. BUILDINGS

50-51 Residences (temporary)
52 Chapel and Dormitory
53 Dormitory
54 Dormitory Kitchen

F.S.C. BUILDINGS

60 Friends College
61-62 College Buildings
63 Temporary Residences
64 Middle School Dormitory (Temporary)
65-67 Residences
87 M.S. Dormitory

M.M.E. BUILDINGS

70 Joyce Building
71 Ackerman Building
72-75,94 Residences
76 Chinese Residence
77 M.E.M. College
89 M.S. Dormitory

A.F.B.M. BUILDING

97 Residence

WOMAN'S COLLEGE BUILDINGS

82 Women's College
83 Dormitories

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Annual Announcement, 1935-1936

WEST CHINA UNION UNIVERSITY

FOUNDED 1910

Accorded Registration by the Szechwan Provincial Government Bureau of Education; 1927 and Registration with the Chinese National Government, Nanking, in 1933.

Published by
THE WEST CHINA UNION UNIVERSITY
CHENGTU, WEST CHINA
JULY, 1935

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HISTORICAL STATEMENT AND ORGANIZATION.

The West China Union University was established in 1910 by the united action of the American Baptist Foreign Mission Society; the Friends' Foreign Mission Association, Great Britain and Ireland; the General Board of Missions of the Methodist Church of Canada, now the Board of Missions of the United Church of Canada; and the Board of Foreign Missions of the Methodist Episcopal Church, U.S.A. The Church Missionary Society of England was admitted to participation in the University in 1918. The Women's Foreign Missionary Boards of the American Baptist Church, the Methodist Episcopal Church, U.S.A., and the United Church of Canada were admitted to participation in 1925.

The aim of the founders, as stated in the constitution, is, "The extension of the Kingdom of God in West China by means of higher education under Christian auspices."

The University is situated on a branch of the river Min in the south suburb of Chengtu, the capital of the province of Szechwan. The strategic importance of the location is readily recognized, as it is not only in the centre of the most extensive and populous province of the Republic, but also by political and geographical relations is well placed to extend its influence to all West China, Tibet and the many border tribes. Quite a number of students from these latter have already entered the institution.

Prior to the establishment of the university the missions had carried on educational work independently and with varying success. The educational awakening in the Empire in 1906 offered an opportunity before unknown. It was apparent that Western education was to be the basis of a new era for China, and that if missions were to meet the opportunity they could do so adequately only through union, especially in the higher branches. By the year 1908 part of the present site had been purchased and a temporary organiz-

ation effected at home. In 1909 the Union Middle School was opened on the site in temporary buildings. In 1910 University teaching was begun in the two Faculties of Arts and Science. Revolutionary disturbances forced us to close in the autumn of 1911, and though the Middle, Normal and Bible Training Schools were opened in the spring of 1912, it was found impracticable to reopen college classes until 1913. Missionary Training Schools were taken over as a union enterprise in 1913; a Medical Faculty, was founded during 1914, and a Faculty of Religion during 1915. In 1918 the five Faculties of Arts, Science, Religion, Medicine and Education were reorganized, and the Department of Dentistry was formed into a Faculty in 1920. In 1922 the Board of Regents of the University of the State of New York granted the University incorporation under a Provisional Charter preparatory to the granting of an Absolute Charter. The Absolute Charter was granted in 1934 and now the university can grant degrees in Arts, Science, Medicine and Dentistry under the authority of the university of the State of New York. The university made application for Chinese Government registration in 1927 and was accorded provisional recognition by the Provincial Bureau of Education in November of the same year. Full registration was granted by the National Government in the Autumn of 1933 and we now operate as part of the national system of Education.

Women students were admitted to the University in the autumn of 1924, and in 1925 three representatives of the women's boards were admitted to membership in the Board of Governors.

The Dewey and Goucher Schools, schools established by Dr. John F. Goucher, became the practice schools of the Faculty of Education and the Normal School in 1919.

The Goucher Practice School, a three year junior middle school with 125 selected students, has, since the destruction of the original building by fire, been operated in the rooms of the Cadbury Educational Building. From the Autumn of 1935 its work will be conducted in a fine new brick building of two stories, 170' X 50', erected by a gift of $20,000, local currency from Mrs. Elizabeth Goucher Chapman in memory of her father, the founder of the school.

CONTROL.

The University has been carried on under the control of the Board of Governors, and the Senate and the Faculty on the field.

The Board of Governors, the members of which are resident in England, the United States and Canada, consists of three representatives elected by each of the uniting bodies and two-thirds that number of co-opted members, elected by the Board.

Since registration in 1933 the university is under the control of the Board of Directors and the Faculty in co-operation with the Board of Governors.

The Board of Directors is composed of fifteen members representing the participating church bodies with several co-opted members.

The General Faculty of the University shall consist of the chief administrative officers, professors, associate professors, assistant professors and such other members of the teaching or official staff as may be elected thereto by the Faculty.

THE UNIVERSITY MIDDLE SCHOOL.

The Union Middle School organized in 1909 became the University Middle School in 1930 by permission of the Board of Governors and consent of the Mission Boards. It is the chief preparatory school of the university. Its work is exclusively of senior Middle school grade. The Junior Middle school work is carried on in the Goucher School.

BUILDINGS AND GROUNDS.

According to the original article of union each mission founding a college was to purchase property and erect buildings for the housing of its staff and students, and contribute a college building for teaching purposes. The Board of Governors purchased property for the teaching buildings and general campus and was to erect the university administrative and teaching buildings and residences for those members of the staff who are provided by the Board of Governors. This policy has thus far resulted in the erection of twenty-nine foreign residences and seven Chinese-style residences, ninteen per-

manent college and dormitory buildings and the Clock Tower, also three groups of Chinese-style dormitories and other buildings. Accommodation is thus provided for eight hundred and fifty students and teachers. Athletic fields and a number of tennis courts are also provided for on the property.

(1) University Buildings:—

The Whiting Memorial Administration Building.

This Building was completed in 1919, as a memorial to Robert Morris Whiting by the generosity of Mr. and Mrs. Joseph B. Morrell, Northport, Long Island, New York, U.S.A. The building is of grey brick with grey tile roof, finished in accordance with the best traditions of Chinese architecture adapted to modern school conditions. It is two stories high, 175 ft. long by 93 ft. wide. The administrative offices, the assembly hall, and class rooms for arts and photography are located in this building.

The Atherton Building for Biology and Preventive Medicine

This Building completed in April 1924, is the gift of the Atherton family of Honolulu, H.I., in memory of Dr. Alexander Atherton. It is 192 ft. long and 94 ft. at extreme width, with two full stories and basement. The Departments of Biochemistry, Chemistry, and Biology and the University Dispensary are housed in this building.

The Lamont Library and the Museum Building

This building, completed in 1926, is of the same general type of architecture as the Administration Building and stands opposite to it. Its erection was made possible through the generosity of Mr. and Mrs. B. C. Lamont of Aberdeen, South Dakota, U.S.A. The Library is a memorial to their son,

The Scattergood Memorial Middle School Building

This building, providing teaching accommodation for three hundred middle school students, was given by Mrs. Thomas Scattergood, of Philadelphia, U.S.A., as a memorial to her husband and an expression of international good-will. The building is of the same material as the University Buildings. It is two stories high, 190 ft. long by 48 ft. wide.

The Middle School Chapel

The chapel, was erected in 1927, with funds contributed by Mr. Liu Dsi Ru, of Chungking, West China. It is of the same general type of architecture as the Middle School building. It is 82ft. long by 60 ft. wide and provides seating accommodation for four hundred students on the main floor.

The Cadbury School of Education Building.

Through the beneficence of Mr. George Cabury, Bourneville, England, the University has erected the main section and one wing of its Education Building. When completed the building will be 180 feet long, two stories high. It is of the same type of architecture and form of construction as the other buildings.

The Coles Memorial Clock Tower is the gift of J. Ackerman Coles, L.L.D., New York. The tower is built of brick nearly fifty feet, with a superstructure of wood to a total height of slightly over one hundred feet. The four faces of the clock, which are seven feet in diameter, are seventy-one feet from the ground, above which is placed the bell. The bell and clock are also the gifts of Dr. Coles. It was erected in 1925-6.

The *Medical-Dental College Building* when completed will be the largest building on the campus. At present the two end wings only have been built. Each is 152 feet long and 40 feet wide, and consists of two stories and basement. The east wing houses the departments of Anatomy and Physiology, and Pharmacology. Also the department of Pharmacy. The west wing houses the departments of Pathology and Bacteriology, Hygiene and Public Health and Dental Laboratory Technology, Dental Surgical Technology, and the Dental Infirmary.

(2) Co-operating Mission Hospitals:—

The *United Church of Canada Mission Hospital for Men* is located in the N. E. section of the city at some distauce from the University. A dormitory for senior medical students is maintained in connection with this hospital, and students of the third, fourth and interne years reside here. This hospital has 150 beds, and is well equipped with operating rooms, clinical laboratory, x-ray department, pharmacy, etc. A general

out-patient department is also carried on here. The School of Nursing has two foreign nurses in charge, and about 30 nurses in training. All of the doctors on the staff of this hospital are teachers in the Medical Faculty of the University. The instruction in Medicine, Surgery, Clinical Laboratory and Parasitology is given here. Pending its removal to the new Medical-Dental College Building, the Department of Pathology and Bacteriology is also temporarily located in this building.

The *United Church of Canada Mission Dental Hospital*, one of the constituent bodies of the Chengtu Hospitals Board, is located in the city at Sze Shen Tze. The hospital is well equipped and carries on a polyclinic. The head of each department is a professor in the university. Our students may receive clinical instruction in any clinic which presents suitable teaching material.

The *United Church of Canada Hospital for Women and Children* is in close proximity to the Hospital for Men. It has a capacity of 80 beds, and is well equipped for its special work. All x-ray and laboratory work is done in the Men's Hospital. A good outpatient department is maintained. The training school for nurses has two foreign nurses in charge. Most of the doctors on the staff of the Men's Hospital are also on the staff of this Hospital in a consultative capacity. Pediatrics, Obstetrics and Gynecology are taught in this hospital.

The *Chengtu Eye, Ear, Nose and Throat Hospital* of the M. E. Mission about half way between the University campus and the other hospital, is a 60 bed hospital devoted entirely to these specialties. It was founded and is maintained by the Methodist Episcopal Church. It has served as an eye, ear, nose and throat hospital since January 1, 1929. It has very large outpatient clinics, the total outpatient attendances for 1934 being over 60.000. It has a well balanced inpatient service of approximately 1000 inpatients per year. The undergraduate and graduate teaching and clinical activities of the departments of Ophthalmology and Otolaryngology are carried on here. The heads of departments on the staff of this hospital are members of the teaching staff of the Medical Faculty.

The Post office Building is a one story brick structure on the University property fronting on the main street, that provides for post office, police headquarters and bank.

(3) College Buildings, Dormitories and Residences:—

The Joyce Memorial Dormitory and the Ackerman Memorial Dormitory were erected in 1914 by the Methodist Episcopal Church. The former was made possible by the gift of the Joyce family of Minneapolis, U.S.A., and the latter by gifts from J. Ackerman Coles, L.L.D., New York. *The Joyce Memorial* is a two-story building, 120 ft long by 55 ft. wide; the Ackerman Memorial is a three-story building, 120 ft. long by 30 ft. wide. These and all the other permanent college buildings are of the same material and conform to the prevailing Oriental-Western type of architecture of the University.

The Bishop Bashford Memorial was made possible by donors of the Detroit Area of the Methodist Episcopal Church. It was ready for occupancy in the Autumn of 1933. It is of grey brick construction two stories high and will provide accommodation for 100 students.

The Vandeman Memorial Hall and the Baptist Middle School Dormitory were erected in 1919-1920 by the Baptist Mission. Vandeman Hall was erected by a gift from the Vandeman family of Indianapolis, Indiana, U.S.A., and is used as a combined teaching building and dormitory. It provides teaching quarters for the Department of English and dormitory accommodation for 50 students. The Vandeman Memorial is three stories high with basement, 122 ft. long and 53 ft. wide. *The Baptist Dormitory* is a quadrangle, one and a half-stories high; two sections are 200 ft. long by 18 ft. wide, and two sections are 120 ft. long by 18 ft. wide. It accommodates 80 students.

The Hart College, named in honor of Dr. Virgil C. Hart pioneer missionary of the Canadian Methodist Mission in West China, and Jairus Hart, Esq., of Halifax, the donor, was completed in 1920 by the Canadian Methodist Mission (United Church of Canada), and has been set apart largely for university work; the theological, physics and mathematics departments occupy this building. It is a two-story structure, with basement, 160 ft. long by 60 ft. wide.

The United Church of Canada College Dormitory and Dining Hall, Gymnasium. The former was erected in 1914; it is 2 stories, 108 ft. long by 40 ft. wide. The Dining Hall-Gymnasium was completed in 1922; it is two stories high, 190 ft.

long and 40 ft. wide. These dormitories provide living accommodation for about one hundred students.

The United Church of Canada Middle School Dormitory, located on the Middle School site, completed in 1924, is a two-story brick building, quadrangle style, accommodating one hundred students,

The Friend's College Building.

The building, a gift from the Arthington Estate, London, was completed in 1925. It is two full stories with basement, of brick and tile construction, built in conformity to the prevailing type of university architecture. It is intended for teaching and hostel purposes. The Department of Chinese occupies the lower floor of this building. The second and third stories are occupied by students.

The Church Missionary Society College and Middle School Dormitories.

The College dormitory stands opposite to the United Church of Canada Dormitory and matches it in style of architecture and size. The Middle School Dormitory is located on the Middle School campus. Both dormitories are of grey brick construction and accommodate about 100 students.

The Woman's College erected three semi-permanent buildings during the years 1924-27. They provide residential quarters for 50 students and teachers. The first permanent building was completed in the Autumn of 1932. It is of brick construction built in harmony with the Library architecture and stands near to it. It will accommodate 70 students and teachers.

BOARD OF GOVERNORS.

Officers

Honorary Chairman:

Sir Joseph Wesley Flavelle, Bart., LL.D., 176 Yonge Street, Toronto, Canada.

Chairman:

Rev. James Endicott, D.D., 299 Queen Street West, Toronto, Canada.

Vice-chairman:

Rev. Frank Mason North, D.D., LL.D., 150 Fifth Avenue, New York City.

Secretaries:

Rev. Frank Anderson, M.A., D.D., 199 Regent Street, London, Ontario, Canada.

Harry T. Silcock, M.A., Friends House, Euston Road, London, England.

Treasurer:

Rev. John R. Edwards, D.D.
150 Fifth Ave., New York City.

Assistant Treasurer:

B. A. Garside, M.A., 150 Fifth Ave., New York City.

Members

American Baptist Foreign Missionary Society:

E. W. Hunt D.D., LL.D., Prof. H. B. Robins, Ph.D. Alton L. Miller, Ph.D.

Church Missionary Society:

Rev. F. Anderson, M.A., Canon E. Price Devereaux.

Rev. A. G. Lee, B.A.

Friends Service Council:

James E. Clark, B.Sc., H. G. Wood, M.A., H. T. Silcock, M.A.

General Board of Missions, United Church of Canada:

Hon. N. W. Rowell, K.C., Dr. James Endicott, Chancellor Edward Wilson Wallace, D.D.

The Board of Foreign Missions of the Methodist Episcopal Church, U.S.A.:

Dr. Frank Mason North, Rev. J. R. Edwards, D.D., H. Almon Chaffee.

The Woman's Missionary Society of the United Church of Canada:

Mrs. James Hales.

The Woman's Foreign Missionary Society of the Methodist Episcopal Church: Mrs. Frank E. Baker.

The Woman's Missionary Society of the American Baptist Church:

Miss Frances K. Burr.

Chancellor of the University:

Joseph Beech, B.A., D.D.

Co-opted Members.

Sir Joseph W. Flavelle, Bart.
Sir Michael Sadler, LL.D.
Rev. James Henry Franklin, D.D.
Hon. Vincent Massey, M.A.
William T. Rich.
J. Burney Barclay, M.A.
Chang Kia-ngau.
James H. McConoughy, LL.D.

BOARD OF DIRECTORS.

The Board of Directors was reorganized in 1934, with the following personnel.

1. Officers:

Chairman	Mr. Chang Kia-ngau
Vice-Chairman	Mr. S. C. Yang
Chinese Secretary	C. H. Yang
English Secretary	Mrs. Salquist
Honorary Treasurer	Mr. C. C. Chang
Auditor	G. S. Bell

2. Other Members:

C. B. Rape	Bishop C. T. Song
G. S. Bell	Mrs. A. M. Salquist
Miss U. F. Steele	
Hoh Beh-hen	Wu Hen-dju
Kan Chi-yung	Liu Shin-yuen
Lin Sao-chang	

ADMINISTRATIVE OFFICERS.

OFFICERS OF THE UNIVERSITY.

President: Lincoln G. Deang, M.A., D.D., Ph.D.
Chancellor: Joseph Beech, B.A., D.D.
Vice-Chancellor: George W. Sparling, M.A., D.D.
Bursar: Wilford Beaton Albertson, B.A., B.D.
Registrar: S. D. Hua, B.A.
Dean of Discipline: B. C. Tang, B.A.
Librarians: H. D. Robertson, T. H. Chen.
Superintendent of Property: Walter Small.
Dean of Studies: S. H. Fong, M.A.

Deans of the College of Medicine and Dentistry:

MEDICINE: W. R. Morse, B.A., M.D., C.M., LL.D., F.A.C.S.

DENTISTRY: H. J. Mullett, B.Sc. (Dent.) D.D.S., L.D.S.

Dean of The College of Science: D. S. Dye, M.S.

Deans of The College of Arts:

ARTS: D. S. Lo, M.A.

EDUCATION: S. D. Liu, M.A.

Dean of The College of Religion: G. W. Sparling, M.A., D.D.

Dean of Women: Miss B. L. Foster.

The Cabinet: L. G. Dsang, J. Beech, M. C. Chang, S. H. Fong, H. D. Robertson, B. C. Tang, G. W. Sparling.

UNIVERSITY COLLEGE AND SCHOOLS.

The work of the University is carried on under the following Colleges.

I. UNIVERSITY COLLEGES

1. College of Arts—four years
2. College of Science—four years
3. College of Medicine and Dentistry—five years
4. College of Religion—three years

Two years prerequisite college courses are offered under the College of Science to enable students to qualify for entrance to the Medical-Dental Courses.

See College Announcements and Requirements for Admission for detailed information.

The catalogues are printed in the English and Chinese languages in alternate years.

II. UNIVERSITY OR AFFILIATED SCHOOLS

1. Senior Middle School	Three years
2. Goucher Junior Middle Practice School	Three years
3. Dewey Practice School, Primary	Six years
4. Summer Normal School	One month
5. Summer Bible School	One month
6. Summer School, University Classes	One month

THE FACULTY OF THE UNIVERSITY.

Agnew, Robert Gordon, B.A., M.Sc. (Dent.), D.D.S., Toronto; L.D.S., Royal College of Dental Surgeons; F.I.C.D. Professor of Pathology and Bacteriology.

Agnew, Mary Caldwell, M.A., Toronto. Lecturer in Biochemistry.

Albertson, Wilford Beaton, B.A., Toronto; B.D.; Bursar. Lecturer in Oral Technical Drawing.

Anderson, Harold G., M.B., B.S., M.R.C.P., London. Associate Professor of Internal Medicine.

Anderson, Eleanor Waverly, Dip. Music, Melbourne University. Piano and Voice. Assistant Professor.

Anderson, Roy M., L.D.S., D.D.S., Toronto. Instructor in Odontology.

Argetsinger Wilhemina. Lecturer in English.

Beech, Joseph B.A., Wesleyan; D.D. Chancellor

Best, Albert Edward B.A., M.D., Toronto. Professor of Internal Medicine.

*Brace, Blanche. Chicago Conservatory of Music. Lecturer in Piano.

Brown, Homer Grant, M.A.
Professor of Psychology and Religious Education.

Brown, Muriel Joy, B.A. Lecturer of Practice Teaching.

Chang, Ming Chuin, B.A., West China Union; M.Sc. Yenching, Associate Professor of Biology.

Chang, Hsiao Li, B.A. West China Union; M.A. Toronto.
Associate Professor of Mathematics.

Chang, Yu-Ch'uan, Graduate Szechwan College.
Lecturer in Archeology.

Chao, Shao Han, Lecturer in Chinese language.

Ch'eng, Chih hsuan. Professor of Chinese Literature.

Chou, Hsiao-ho, University of Lyons. Lecturer in French.

Chu, Ch'i-huei. Lecturer in History.

Chung, Chih-chü, Szechwan. Graduate Japanese Normal School. Professor of Chinese Classics.

Chu, Shao-bin. Professor of Chinese History and Literature.

Collier, H. Bruce, M.A., Ph.D. Toronto. Associate Professor of Biochemistry.

Crawford, Wallace, M.D., C.M., D.P.H. Associate Professor of Hygiene and Public Health.

Cunningham, Edison Rainey, B.A., M.D., C.M., Manitoba; D.O.M.S., London. Professor of Ophthalmology.

Cunningham, Gladys Story, B.A., McGill; M.D., Manitoba; L.M.C.C., Canada. Assistant Professor of Obstetrics and Gynecology.

Dickinson. Frank, B.A., Mt. Allison; M.Sc., Cornell. Professor of Rural Sociology.

Djang Yü-tien B.S., West China Union University. Assistant Instructor in Biochemistry.

Downer, Sara Boddie, B.A , Mt. Holyoke; M.A., California Associate Professor of Physics.

Dsang, Lincoln G., B.A., West China Union; M.A., North Western; D.D., Ph.D., Drew. President of the University. Lecturer in Rural Sociology.

Dsan, Da-jin, B.S., West China Union, Instructor in Mathematics.

Dseo, Yuin-wen B.A., West China Union. Instructor in Physics.

Du, Shuen-deh, M.D., West China Union,
Associate Professor of Parasitology.

Du, Feng-fu, B.A. West China Union; M.A., Yenching.
Associate Professor of Chinese Literature.

Dai, Su Ku, D.D.S. West China Union. Assistant Clinician in Dentistry.

Dye, Daniel Sheets, M.A. Cornell Professor of Physics.

Dye, Jane Balderston, M.A. Columbia, Associate Professor of Mathematics.

Dsang, Margaret, B.A., West China Union, Lecturer in Piano and Organ.

*Fosnot, Pearl B., B.A. Nebraska Wesleyan, M.A. Boston.
Assistant Professor in Ethics.

Foster, B. Louise, B.A., Queens. Assistant Professor of English.

Fong, Su-hsuan, B.A. West China Union. Professor of Education.

Fung, Da-ran, B.S. West China Union. Associate Professor Pharmacology.

Gi, Gan Chen, Ph. G., West China Union. Lecturer in Pharmacology.

Graham, David C., Ph.D., Chicago; D.Sc., Whitman College.
Associate Professor of Archaeology.

Hansing, Ovidia, M.A., Northwestern. Assistant Professor in Philosophy.

Ho, Wen-chuin, B.A., West China Union; M.A., Yenching.
Associate Professor of Biology.

*Hsiao, Dso-ran, D.D.S., West China Union. Assistant Clinician Dentistry.

Hsiao, Wen-roh, B.A., West China Union; M.A., Toronto.
Lecturer in Philosophy of Religion.

Hsieh, Hsi-hsu, M.D., West China Union. Instructor in Roentgenology and Surgery.

Hu Kao-ru, Lecturer in Chinese Language.

Hu, Yin-deh, B.A., Union College; M.D., Peking Union Medical College. Associate Professor of Pathology.

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Huang, F. H., Ph.D. Lecturer in Philosophy.

Hwang, Mien, B.A., West China Union; M.A., Nanking. Assistant Professor in Biology.

Huang Ti, M.A. Instructor in Sociology.

Kao, Yoh-lin, B.S., West China Union; M.S., Yenching. Assistant Professor in Chemistry.

*Kiborn, Leslie Gifford, M.A., M.D., Ph.D. Toronto. Professor of Physiology and Pharmacology.

*Kilborn, Janet McClure, M.D., Toronto. Assistant Professor in Technical English.

*Kilborn, Retta Gifford, M.D., C.M., Trinity (Toronto). Emeritus Professor of Pediatrics.

Kung, Hsiang-nung, Szechuan. Lecturer in Chinese.

Lin, San Yü, Szechuan. Lecturer in Chinese literature.

Li P'ei-fu. Lecturer in Chinese.

Li, Ping-ying. Lecturer in Chinese Grammar.

*Lan, Tien-ho, B.S., Yenching. Instructor in Chemistry.

Li, Hsing-Lung, B.S., West China Union. Assistant Instructor in Pharmacy.

*Lindsay, Alice Winifred, Assist. Professor of English Rhetoric.

*Lindsay, Ashley Woodward, D.D.S., B.Sc. (Dent.), Toronto; L.D.S., Royal College of Dental Surgeons; F.A.C.D. Professor of Oral Surgery.

Lenox, John E., B.S., Bucknell; M.D., Pennsylvania. Instructor in Internal Medicine.

Lenox, Cora C., B.A., Winthrop. Lecturer in Technical English.

Liljestrand, Sven Herman, Ph.B., M.D., Syracuse. Professor of Obstetrics and Gynecology.

Lewis, Esther. Lecturer in English.

Lewis, Spencer, M.A., D.D. Professor Emeritus of New Testament.

Liu, Li-hsien, B.A., West China Union. Assistant Professor of History.

Lo, Dsung-shu, B.A., West China Union; M.A. Yenching. Associate Professor of Philosophy.

Loh, Lucy, B.A., West China Union. Lecturer in Piano and Organ.

Liu, Shao-tzu, B.A., West China Union; M.A., Chicago. Associate Professor of Educational Psychology.

Li, Ming Liang B.A., West China Union; B.S., Nanking. Assistant Professor in Biology.

Lü, Djong-lin. M.D., West China Union; D.O.M.S., London. Assistant Professor of Ophthalmology and Otolaryngology.

Manly, Marian E., B.A., Ohio Wesleyan; M.D., Rush. Assistant Professor in Obstetrics and Gynecology.

Manly, Florence Brown, B.A., Lecturer in English.

*Meng, Ti-lien, B.A., West China Union. Assistant Professor of Sociology.

Meuser, Edwin Nelson, Phm. B., Toronto; Pharm. D. Pennsylvania. Professor of Pharmacy.

Millar, Jean Ewald, M.D., Western Ontario. Lecturer in Pediatrics.

Morse, William Reginald, B.A., Acadia; M.D., C.M., McGill; L.L.D. Acadia; F.A.C.S. Professor in Anatomy and Associate in Surgery.

Morse, Anna C. Lecturer in Drawing.

Moncrieff, Virginia Merriam. Lecturer in Piano and Theory.

Moncrieff, Jesse Edwin, B.Sc., M.A. Professor in English.

Mullett, Harrison J., D.D.S. B.Sc. (Dent.) Toronto; L.D.S., Royal College of Dental Surgeons. Professor of Prosthodontology.

Mullett Pearl McDonald. Lecturer in English.

Ngan, Djih-li, D.D.S., West China Union. Instructor in Dentistry.

Pan, Shi-chao. Lecturer in Chinese Language.

Pen, Dse-fu, B.S., West China Union. Instructor in Physiology.

Pen, Yuen Sen. Lecturer in Chinese Language.

*Peterson, Robert A., M.S., M.D., Iowa. Professor of Otolaryngology and Ophthalmology.

*Peterson, Victoria Russell. Lecturer in English.

Phelps, Dryden Linsley, B.D., Ph.D. Yale. Professor of English Literature.

Phelps, Margaret Hallenbeck, B.A. Lecturer in Piano Voice.

Robertson, Harold Deeks. B.A., Toronto. Professor of History.

Sewell, William Gawan, M.Sc. Leeds. Associate Professor of Chemistry.

Sewell, Hilda Guy, B.Sc. Leeds. Lecturer in Biology.

Shih, Ru-tsong. Lecturer in Chemistry.

Simkin, Robert Louis, M.A., Columbia, B.D. Professor of Old Testament.

Simkin, Margaret T., M.A. Columbia, Lecturer in English.

Smalley, Frank A., M.A., B. Litt., Oxford. Associate Professor Testament and History

Smalley, Nellie, B.A. Lecturer in History.

Spooner, Roy C., M.A., Toronto. Instructor in Chemistry.

Sparling George W., M.A. Toronto; D.D., Wesley. Professor of Systematic Theology and Philosophy.

*Starrett, Adelia Dodge, B.A., Mt. Holyoke. Inst. in English.

*Starrett, Oscar G, B.A., Western Reserve. Inst. in English.

Tao, Liang-sen, Lecturer in Chinese Language.

Tang Yu-Lien B.A., Lecturer in Organ.

Tang B.C. B.A. Secretary to the President and Dean of Discipline.

Taylor, Joseph, D.D. Professor of English Literature.

Thexton, Annie, M.A., Manitoba. Lecturer in English.

Whang, Tien-chi, D.D.S., West China Union; D.D.S., Toronto. Associate Professor of Odontal Surgery.

Williams, Thomas Henry, M.D., C.M., Manitoba; M.C.P.S. Manitoba; L.M.C.C., Canada; D.T.M. & H. London. Professor of Pathology and Bacteriology.

Wilford, Edward Corry, M.D. Toronto; L.R.C.P. & S. Edinburgh; F.A.C.S. Professor of Surgery.

Wilford, Claudia. Lecturer in Tech. English, Piano and Organ.

Wang, Ti-ren, B.S., West China Union. Instructor in Physics.

Wang Chuin-hsien B.A., B.D. Lecturer in Sociology.

Wu, Kueh-chang, B.S., West China Union; M.Sc., Yenching. Instructor in Physics and Mathematics.

Walmsley, Lewis C., B.A., B. Paed. Toronto. Assistant Professor of Psychology.

Willmott, Mary Katherine, M.A. Lecturer in English.

Yang, Hwei Shang, B.S.P., West China Union. Instructor in Pharmacy.

Yang, Tze-gao, M.D., West China Union. Clinician in Surgery.

Yen, Yin, M.C., West China Union. Assistant Instructor in Anatomy.

Yoh, Helen, M.D. Instructor in Obstetrics and Gynecology.

*On furlough.

GENERAL INFORMATION

REQUIREMENTS FOR ADMISSION

Candidates seeking admission to the University should call upon, or write to, the Registrar at the Administration Building of the University and secure registration for the Entrance Examination. Candidates who qualify for entrance are required to pay the tuition fee for the term, secure permission to reside in a college dormitory, and have their schedule of studies approved by their College Principal, the Dean of the College they elect and the Registrar before entering classes. Each applicant must present 4 photographs with his application for admittance. For fuller information in regard to entrance, the student should apply to the Registrar.

1. CHARACTER.

All applicants for admission to the colleges or schools of the University must furnish proof of good moral character. They must promise to obey the rules and regulations of the

University, to perform faithfully all scholastic and other duties to which they may be assigned or elected, and to strive at all times to uphold the honor and good name of the University.

2. Scholastic Standards.

The scholastic standards of entrance to the University are determined by the standards of graduation from Middle Schools as fixed by the regulations of the Board of Education of the Chinese Government, and by the college entrance requirements as stated under No. 4. Entrance requirements for the College of Medicine and Dentistry are stated in their catalogue.

3. Union Middle School.

The Union Middle School which for many years has been carried on adjacent to the university but independent of it, and conducted by the several Missions, is now the University Senior Middle School. There will continue to be separate dormitories and the two student bodies will exist as separate groups. Students registering in the Middle School will continue to do so at the school and will be assigned to their separate dormitories there

4. Entrance Requirements for the Colleges of Arts and Science, and Prerequisite Courses in Medicine and Dentistry.

A. For admission to any course leading to a University degree the candidate shall have completed six years of Junior and Senior Middle School work, and shall also give evidence that he is qualified to do the required work in the course he elects.

(1) Students wishing to enter the *College of Arts* are required to take entrance examinations in the following subjects:

Chinese, History of Chinese Literature, English History, Chinese and Foreign, Geography—Chinese and Foreign, Algebra and Geometry, One of Physics, Chemistry or Biology, Intelligence Test, Oral Examination.

(2) Students wishing to enter the *College of Science* are required to pass the entrance examinations in the following subjects:

Chinese, English, Algebra and Geometry, Trigonometry and Analytical Geometry, Physics, Chemistry, Biology, Intelligence Tests, Oral Examination.

B. An applicant for admission to special subjects or to a course not leading to a degree must pass the regular entrance examination to test his fitness to pursue the subjects or course he desires to elect, and present evidence that he has satisfactorily completed the work prerequisite for such subjects or course. The subjects should not exceed 21 hours and should be selected in consultation with the candidate's College Principal.

The regular rate of tuition is charged for 10 to 21 hours. If less than 10 hours are taken the rate is $3.00 an hour.

Students taking courses subsequent to graduation must obtain the approval of the college in which they wish to study and shall be required to register with the Registrar of the University and their fees shall be the same as for undergraduate students.

Note. A student under this classification who later desires to regularize his course for a degree, may, at the discretion of the Committee on Studies, be given credit for work done.

5. Advanced Standing

A. Students entering the University from approved colleges and universities will be accorded advanced credit at the discretion of the Committee on Studies if they are recommended as to character and scholastic attainments by their former college authorities, and present evidence of having satisfactorily completed work for which they desire advanced credit, or pass a satisfactory examination in such subjects.

Students who are given advanced standing on entering the University may, at the discretion of the committee on Studies, be demoted in their classes if they cannot satisfactorily do the work of the classes to which advanced credit admitted them. In such cases the advanced credit will be withdrawn.

TUITION

The tuition fees for all University Faculties are as follows:

	Autumn term 1935		Spring term 1936	
	Tuition	Dormitory,	Tuition	Dormitory
Arts	$27	$5.	$23	$5.
Science	$40	$5	$35	$5
Medicine & Denti try	$47	$5	$43	$5

The above fees will be charged during the regular days of registration.

During the first week after the regular days of registration students registering will be required to pay an extra dollar.

During the second week and after students will be charged an extra two dollars. Students are not permitted to register after one month from the opening of the term.

Students registering in the men's medical dormitory in the city will be required to pay an annual fee of five dollars in addition to the regular tuition fee.

All students taking any course or courses in Chemistry shall pay a fee of two dollars to the Chemistry department.

Examinations and Deposit.

A laboratory deposit fee of $5.00 per Year is required in Science, Medicine and Dentistry and from Arts students taking Science courses. This is returnable after deductions have been made for any breakages by the student.

All laboratory fees are payable with the tuition fees at the time of registration.

Board and Lodging.

Board and lodging are provided in the college dormitories. The student is required to furnish his own bedding. The present rate for board is about $4.00—$5.00 per month payable each term in advance.

Laundry.

Arrangements are made in each of the dormitories for washing, barbering, mending, etc., at the expense of the students.

Books.

Text books may be purchased from the principal book stores of the city. Books may also be purchased from the University Book Store or ordered from the publishers. The cost of books varies in the different faculties. The expense is borne by the student.

Suits and Other Expenses.

An athletic fee of fifty cents will be charged each student each term for athletic supplies and general athletic expenses. A fee of $2.00 for an athletic suit is required of all new students. These fees must be paid at the time of registration. Candidates for graduation are required to provide gown, cap and hood for the graduation ceremony.

University School and Special Courses.

For University school fees and rates of tuition for summer or special courses, see under University Schools, or apply to the Registrar of the University.

SUMMARY OF YEARLY EXPENSES.

Tuition and other fees	$80—$110
Board and Domitory exp.	45— 50
Books	20— 50
Washing	10— 15
Incidentals	20— 50
TOTAL	$175—$275

GRADUATION DEGREES

(1) At the completion of the prescribed courses the following degrees are conferred by the University upon successful candidates. (See the Colleges' Courses of Study.)

Bachelor of Arts	(B.A.)
Bachelor of Science	(B.S.)
Doctor of Medicine	(M.D.)
Doctor of Dental Surgery	(D.D.S.)

The Bachelor of Arts Degree—The degree of Bachelor of Arts is conferred upon those students who have met the requirement for graduation in the College of Arts and Science.

The Bachelor of Science Degree—The degree of Bachelor of Science is conferred upon those students who have met the requirements for graduation in the College of Science. The degree of Bachelor of Science, (B.S.) (Pharmacy), will be given upon the satisfactory completion of the prescribed course in Pharmacy and an accepted thesis.

The Degree of Doctor of Medicine—This degree is conferred by authority of the University upon recommendation of the College of Medicine and Dentistry upon such students as have completed the medical course, and have met other requirements requisite for graduation.

The Degree of Doctor of Dental Surgery—This degree is conferred by authority of the University upon the recommendation of the College of Medicine and Dentistry upon such students as have completed the dental courses, and have met other requirements requisite for graduation.

All Degree are conferred by the University upon authority of the Board of Regents of the University of the State of New York.

(2) College gowns, caps and hoods are required for the graduation ceremony. Candidates for graduation are expected to provide these in conformity with the usage of the College in which they have studied.

THE LIBRARY

The University Lamont Library is situated within the central plot opposite the Whiting Administration Building. It is an attractive and commodious structure, the gift of Mr. and Mrs. B. C. Lamont of Aberdeen, South Dakota, U.S.A., in memory of their son.

The Library is open on all week days during the college year from 8 a.m. to 4.30 p.m., on holidays from 9. a.m. to 4. p.m. and during the mid-winter holiday and July from 9 a.m. to noon. The building is closed during the month of August.

Since the installation of electric lights, the Reading and Stack-rooms are also open for two hours during the evening, these hours varying with the seasons.

A radiator heating plant has recently been put in and it is expected will render the offices, stackroom, seminar and reading rooms more comfortable during the winter months.

The Student Reading Room, occupying the entire centre front of the building, is accessible to the graduates, the University students, and during the daytime to such Middle School students as on entering display their school insignia. In this room are placed the dictionaries and an excellent assortment of Chinese current periodicals of both scientific and general interest.

The Faculty Reading Room, situated along the south end of the building and containing foreign language periodicals published in China and abroad, is open to all Faculty members, to graduates and to those students who desire to do assignment or research work in such periodicals. In this reading room are also available the many exchange scientific periodicals which come to the West China Border Research Society from scientific research bodies in China and abroad. Here, too, the International Relations Club has its headquarters and non-members have the privilege of reading the various important publications on international questions which come to the club. The University Book Club, the membership principally among faculty members, houses in this room its collection of

the best annually published works of biography, travelogue, popular science, child-training, and historical and problem fiction; after a year or two of circulation within the club, the books become the property of the University Library.

The Stackroom contains general and departmental books in both Chinese and foreign languages, the total number approximating Chinese 60.493 other languages 14.730 the latter including about 2000 volumes of bound teachnical periodicals principally in science, medicine and dentistry. A considerable number of pamphlets, reports and a few books, publications of the Smithsonian Institute, the Rockefeller and Carnegie Foundations and various Agricultural Experiment Stations, come annually to the Library. For the present the magazine files occupy the north balcony of the stackroom. In the south balcony is placed the valuable private Chinese library of Mr. Lo Heo Fuh and his family; this collection consists of 25,596 volumes and has been loaned to the University for an indefinite period. Current periodicals, placed for loaning in the two large reading rooms, number in the Chinese language 84, published in China but printed principally in English 22, from abroad, largely in English, 288. These are among the best periodicals of general and scientific interest which can be secured.

Two general seminar rooms are provided for day or night classwork for those instructors and their classes wishing to make use of current periodicals and reference books during the teaching period, for students desiring a quiet place for uninterrupted study, and in the evening for student committees and stereopticon lectures to small groups. Besides, there is a large seminar room set apart for the exclusive use of the Chinese Department and an English Clubroom, each containing a small library and facilities for individual study.

Each year the Library is the recipient of many gifts and loans from members of the staff, outside friends, colleges and publishers in China and abroad, and include periodical subscriptions, books, pamphlets, catalogues, reports and occasionally pictures. Annually as many standard works are added to the general and departmental libraries as the limited funds of the library and faculties allow. This year 14 volumes of the Encyclopedia of the Social Sciences, twelve volumes of the Survey of International Affairs published by the Royal

Institute of International Affairs and the new Oxford English Dictionary 13 volumes have been added.

The Harvard-Yenching Endowment Fund, of which the University has become one of the beneficiaries, has greatly facilitated the addition of valuable standard books both in Chinese and foreign languages, principally in the former, which will be of great value to the department of research in Chinese Studies, literary and scientific, giving to it a most heartening impetus. Without this aid the extremely limited library budget would have severely restricted an unrivalled opportunity which comes because of the unique location of the University and because of the keenness of the entire staff to push forward such work.

MUSEUMS

Three museums are in process of development; one of cultural, historical, and art materials; one a natural history museum, and one a medical-dental museum. These will not only be of much educational value to students, but will enable the University to be of greater service to the people of West China. In each of these museums an excellent beginning has been made, and useful and valuable objects are being acquired either as gifts or by purchase.

The natural history collection is in the Atherton biology and preventive medicine building. The West China Union University Archaeological Museum of historical, cultural and art objects occupies the museum section of the Lamont Library and Museum Building. This museum is sustained by grants by the Harvard-Yenching Institute from the Hall Estate funds designated for the West China Union University. David C. Graham, Ph.D., D.Sc., has recently been appointed as director of this museum. During the past two decades Professor Daniel S. Dye; Rev. Thomas Torrance, F.R.G.S., Rev. J. Huston Edgar, F.R.G.S., F.R.A.I., and others have collected about six thousand objects. Recent additions, and the purchase of many Tibetan

objects, have increased the collection to over 13.000 objects, including pottery, jades, bronzes, embroideries, coins, stone implements, etc., Of these 10.400 are Chinese, 1500 are Tibetan, about 200 are from tribal groups in West China, and the rest are foreign countries.

An excavation last October on the university campus yielded data and evidence that made possible a more accurate dating of one kind of Szechuan pottery and human glazed images in graves. An excavation at Hanchow was probably the largest yet undertaken in West China and yielded the oldest cultural objects known in the province They date from B.C. 1000 or perhaps as early as 2000 B.C. An account of this excavation has been published by the museum in a handsome booklet.

A large collection of paleolithic stone implements has been received, being a gift from J. Huston Edgar. D. C. Graham has found more than eighty soft stone scrapers and punches and knives which fill a whole case and are of great interest. A large gift has come from General Ch'en consisting of two hundred and fifty bricks and iron temple objects including urns and bells.

These have all been catalogued and many of them are on exhibition. It is hoped that this museum will, in future years, have the most complete exhibit of the cultural objects of this general area to be found anywhere in the world, and that it will be a center of study for students in China and abroad, and especially valuable to the people of West China.

The medical and dental collections are in the medical and dental college.

PHOTOGRAPHIC STUDIO

The Photographic Studio was originally outfitted through a grant from the Eastman Kodak Company of Rochester, New York.

In the past the Studio has provided courses in the Art and Technique of Photography, but at present its facilities in staff and equipment are limited.

The Studio serves the faculty in the preparation of lantern slides and all other teaching material requiring photographic co-operation. There is also provided a processing department which develops, enlarges, tints and finishes, etc., for a large group of kodak enthusiasts.

HEALTH REGULATIONS

A special dispensary clinic is open in the Atherton Memorial Building for students of the University and the nearby community. Arrangements also exist with the mission hospitals within the city by which students of the University may be seen without delay in case of sickness. In case of severe illness the University physician will visit the patient in his room, or the patient may be removed to one of the hospitals. Treatment is at the expense of the student.

Physical Culture.

Recognising the fact that an educated mind can be of little practical use unless supported by bodily vigour, physical culture is included in the University curriculum. Facilities are given for a medical examination of all students and each student is required to obtain a medical certificate of health previous to registration. Unless this examination is made at the time fixed, the student will be required to pay the regular medical fees.

1. A minimum of 3 hours of systematic physical exercise per week, to count as one and a half credit each term, will be required of all students during their first and second years of precollegiate and college work unless excused by the examining physician.

The students' individual needs and preference will be recognized as far as possible. The course will involve free-hand calisthenics, wand drill, apparatus work and a variety of track and field games. In addition to the above requirements there

will be an opportunity for students to take part in voluntary sports.

2. The control of athletics and physical culture is centralized in an Athletic Committee appointed by the Student Association. Health affairs are in charge of the Health Committee.

3. All students in their first years of residence will be required to provide suitable althletic suits costing approximately $2.00. This amount must be paid at the beginning of the College year at the same time as other fees.

The standing of students in the subject of physical culture is determined by attendance at classes and the interest and general attention shown.

RECITATIONS. EXAMINATIONS. DISCIPLINE, RULES

Attendance at Lectures.

Attendance at the regular lectures, recitations and examinations of the University is compulsory. Any student under necessity of absenting himself, must first obtain a written permit from his College Principal, and see that the form is properly filed with the Registrar. Absences from any class during one term are limited to the number of hours required in that subject each week. Two marks will be deducted for each absence in excess of limit.

Students appearing late for lectures may have marks deducted.

Examinations.

Essays, preparation of notebooks, monthly tests, grades, etc., are the option of, and under the control of the instructors.

Term and final examinations are required by the College.

Where the course covers two terms work the student must take 60% in each term's examination. the two terms' grades shall not be averaged.

Any student failing to obtain a satisfactory grade during the term may be excluded from the final examinations.

Students wilfully absenting themselves from class tests or term examinations will not be allowed to try the final examination.

In case of unavoidable absence from term, or final examinations, supplementary examinations may be given at the discretion of the college. Application for such examination should be made through the College principal and Registrar.

A student of any year who fails to get 40% in one third of his credits in the final Examination of the year must repeat the year.

A student failing in any subject in a final examination may be given a supplemental examination before the opening of the next term. The fee for such an examination is fifty cents each subject.

A second and final supplemental may be granted the students within the first two weeks of the term. The fee for this examination is $1.00 for each subject.

No supplemental examination shall be given after the close of the term following the term when the course was taken.

If a student fails in more than half of his credits in any year he shall not be given a supplemental examination.

No student in the university shall be permitted to repeat any year in college more than once.

No credits shall be given for a half year's work in a course which covers a year unless there are reasons which are satisfactory to the Committee on Studies.

Supplemental examinations shall be held one week before the opening of the term and the second two weeks later.

Every student must take the regular examination unless he presents a medical certificate of illness signed by a university

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physician, or unless he is exempted because of the death of a parent or other important reason.

Any student found cheating at any examination will forfeit his marks in that subject and may forfeit the entire examination at the discretion of the University authorities.

The standing of students in term, and final examinations is published by the Registrar. Pass cards are also issued for the information of students and parents.

A candidate failing in any subject at the final examination of any year requires the approval of the College to enter upon the work in that subject of the next higher grade or to present himself for examination in the same. He will not be allowed more than one condition in any one subject. See also regulations under the College's courses of study.

Students who discontinue their studies for more than one year on reentering must meet requirements for entrance to the year in which he desires to register.

All candidates for the Graduates degree are required to present a Thesis. The subject of the Thesis should be approved by the Head of the Department and Dean of the College at the close of the Junior Year. The thesis should be presented to the Dean of the College not later than the middle of May of the year in which the candidate hopes to graduate.

Discipline.

Any student refusing to obey the rules of the University may be permanently expelled or suspended for a period of time as may be determined by the University authorities.

In case a student is expelled or suspended no fees will be refunded.

The use of wine or cigarettes on the University grounds is forbidden.

The carrying of firearms or the shooting of birds is prohibited on the university grounds.

Visitors.

Visitors to the dormitories are received, in general, only after 4 p.m.

Persons desiring to visit the Classes of the University are requested to notify the President in advance.

Religious Services.

In addition to the courses in religious knowledge offered daily morning chapel and Sunday evening services are held in University, Colleges or Schools for all students.

The churches of the city cordially invite the students of the University to attend their services. They also offer opportunities for those qualified to assist in Christian work.

STUDENT ASSOCIATIONS

The Student Self-Governing Association.

Following the regulations outlined by the Government, the students have organized themselves into a self-governing society which takes oversight of all affairs outside of curricular activities and which concern the student body.

Athletic Association.

Every student is a member of the Athletic Association and is required to pay a fee of fifty cents each term. The officers are elected once a year. Football, baseball, handball, tennis and other games are played.

Educational Club.

The students enrolled in the College of Education, together with other students who are especially interested in Education, are eligible for membership in the Educational Club. Meetings are held periodically with members of the Faculty of Education for the discussion and study of educational problems especially in their relation to the educational work of Szechwan.

Science Club.

This is an association of the students enrolled in the Faculty of Science and such other students as are particularly interested in scientific subjects. It meets at stated times with members of the College of Science for the discussion of scientific subjects and the application of science to the life of the Szechwanese. Social meetings are also held.

Arts Club.

The Arts Club is composed of students in the Arts Faculty who meet for the discussion of Arts subjects, and for mutual helpfulness in the study and use of the English language.

Medical Students' Association.

This in an association of the students registered in the Faculty of Medicine. Its purpose is twofold. The association meets for the discussion of topics of interest to students in Medicine, and also for social activities. In this way it helps to keep students of different years and dormitories in touch with each other while promoting interest in their chosen profession.

Dental Students' Society.

The students of the Faculty of Dentistry have organized a Dental Society.

Membership is open to all dental students and the dental teachers may become honorary members. Besides regular monthly meetings at which the teachers give special lectures, social gatherings are held at the beginning and end of each term. Special meetings are held as occasions demand.

Pharmacy Students' Association.

This is an association of the students registered in the Department of Pharmacy.

Meetings of the association are planned to be held at regular periods, some of which are of a social nature, while

others take the form of special lectures and discussions on topics intended to promote interest in the profession of Pharmacy.

Christian Student Movement.

Students who are especially interested in Christian service are organized in Religious Clubs and Associations. They meet for the discussion of religious subjects and forms of Christian service and mutual helpfulness.

The Phi Tau Phi Society.

A Chapter of the Phi Tau Phi Society was organized in the West China Union University in the year 1923 and is now recognized as one of the chapters of the National Organization.

Social Science Club.

All students and members of the Faculty who are interested in the Social Sciences may be members of this club. It meets several times each term to receive reports and hold discussions on topics concerning the social life of the people of Szechwan.

The Philosophy Club.

Students of the department of philosophy and members of the faculty interested have organized a philosophy club. This club meets to hear papers and lectures on some subject of philosophy and for social intercourse.

Association of Graduates.

The graduates of the University are organized as the Association of Graduates of the West China Union University. Their headquarters are at the Administration Building of the University.

SCHOLARSHIPS.

Scholarships and Prizes.

1. *Rosemond Scholarships.* These scholarships are the gift of Fred L. Rosemond, Cambridge, Ohio, U.S.A., who gave Gold $600.00 the interest of which is to be used in providing tuition for worthy students. This money is to be applied to the winner of the Annual and Entrance scholarships in as far as the proceeds of the fund will provide such scholarships.

2. *Wallace Scholarship:* Through the kindness of Miss Wallace, Toronto, the University is enabled to offer a special scholarship amounting to G. $25.00 to a candidate who stands highest (at least 75%) in the regular examinations for entrance to the University. This scholarship is applicable to students for the first year's work in the college course of the Faculty of Education at the discretion of that Faculty.

3. *Clifford M. Stubbs Memorial Scholarship in Pre-Medical and Pre-Dental Sciences.*

This scholarship amounting to $50.00 will be awarded annually to the student who completes the pre-medical or pre-dental courses with the highest standing for the entire course. His standing shall be reckoned on the basis of the weighted average of the subjects prescribed in the university catalogue. The scholarship shall not be awarded to any student who has obtained a weighted average of less than 75%.

In exceptional cases, if no person has obtained an academic standing sufficient to qualify him for the scholarship, it may be awarded to a student with a lower academic standing, provided that he has failed in no subject, and provided that he exemplifies to an unusual degree those qualities of character so well revealed in the life of Dr. Stubbs. The deans of Science, Medicine and Dentistry shall in such cases make unanimous recommendation that the scholarship be awarded.

Note.—In weighting the average, chemistry, biology, physics and english shall be reckoned as of approximately equal value, and shall total at least 90% of the course.

4. *Clifford M. Stubbs Scholarships in the College of Science.* The Scholarships will consist of

1. Tuition, or such per cent of tuition, as the income will allow of the students (or more in case of tie) in Science of the third and fourth years.
2. One Scholarship is for a student of the Chemistry Department, and one is for another student in the Science Faculty who may be registered in any department.
3. The average grade for the year (2nd or 3rd) must be at least 80% and no science grade may drop below 80%, and the scholarship must be won each year.
4. The scholarships as to be awarded upon recommendation of the Science Faculty to the Committee of Studies upon the basis of Scholarship, Character and Health.
5. The scholarships may be withheld for a year when the faculty deems that the standard of work is below the standard set.

5. *Special Scholarships and Prizes for the Department of Pharmacy.*

1. General Proficiency Prize:—This prize of $10.00 toward tuition in the second year will be awarded to the student who has received the highest standing among those who have received an average of 80% or over in the subjects in the first year.
2. General Proficiency Scholarship:—This scholarship of $65.00 toward tuition in the third year will be awarded to the student who has received the highest standing among those who have received an average of 80% or over in the subjects in the second year.
3. General Proficiency Scholarship:—This scholarship of $65.00 toward tuition in the fourth year will be awarded to the student who has received the highest standing among those who have received an average of 80% or over in the subjects in the third year.
4. Materia Medica Prize:—This prize of $10.00 toward tuition or books for the following year, will be awarded to the student who has received the highest standing among those who have received 80% or over in Materia Medica (Ph. 7-8).
5. Pharmacy Prize:—This prize of $100.00 toward tuition or books for the following year, will be awarded to the student who has received the highest standing among those who have received 80% or over in Pharmaceutical

Processes and Galenical Pharmacy (Ph. 11-12 and Ph. 15-16).

Chinese Drug Research Prize:—This prize of $40.00 will be awarded, at the discretion of the Faculty, to the student who has received a satisfactorily high standing in the course "Chinese Drug Research" (Ph. 27-28), and who shows special adaptation and inclination to continue studies in this phase of Pharmacy.

6. *Pollard Scholarship.* This scholarship was founded in memory of Samual Pollard, missionary to the Tribes People, for the education of students from that territory, the capital for this scholarship is $1000.00 which is invested, giving 6% interest making available an annual sum of $60.00.

7. *The Luke Hsiao Scholarship.* By this scholarship, which is granted by Dr. Luke Hsiao, a graduate of our university of the class of 1923, tuition is supplied to a student pursuing the Medical Course. This scholarship is available to a student of high moral character, ranking high in his classroom work and who is not in a position to pay his own fees. It is expected that the money used will be repaid by the student after graduation and thus become available for another scholarship in the future.

8. *The Koh Scholarships.* These scholarships are granted by Mr. Koh Shu Kao, a friend of the university. They consist of free tuition for ten students studying in any college and in any year. They are allotted annually upon a basis of character and standing and to students who are not in a position to pay fees. It is expected that the money thus used will be returned after graduation and thus become available for more scholarships in the future.

9. *Thompson Memorial Scholarship.*

This scholarship is made available through the kindness of Mrs. Thompson in memory of Dr. John E. Thompson, who was a professor in the College of Medicine and Dentistry till his death in 1932.

Two annual scholarships of approximately $35. each shall be awarded to students in dentistry at the end of the third year proper (fifth year of the seven year course), on recommendation of the dental members of the College. In award ing the scholarships, general proficiency and character shall be the basis of award.

COURSES OF INSTRUCTION

The University Arts, Science, Education, Religion, Medical, Dental Courses leading to Degrees

A GENERAL STATEMENT:

The courses of study offered by the University are grouped under four colleges. Admittance is by examination. The courses required for matriculation in each of these colleges, the quota of studies required for graduation, together with a detailed description of courses of study, and other information are stated in the "Announcements and Description of Courses" in each college.

The University reserves the right to change the requirements, the courses, and to add, or reduce the options listed as may be found advisable. Optional subjects will not be taught unless a satisfactory number of students elect them.

The regular courses leading to graduation, in the college of arts and science require four years' work. The regular courses leading to graduation in the college of religion require three years' work. A diploma is given on completion of this work.

Students electing medicine and dentistry are required to take one year of science in under the College of Science, for matriculation into either of these faculties.

Six years of work is required for graduation in Medicine or Dentistry after completion of the prerequisite courses in science.

Students are required to select their options under the guidance of their college principal, and the dean of the college they elect.

Students listed in faculties other than dentistry and medicine are not at liberty to elect courses in these two faculties except by special permission.

For detailed information and requirements for admission to all of the University courses see "Requirements for Admission" under "General Information," and the "Announcements and Description of Courses" of the colleges.

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THE COLLEGE OF ARTS

Officers of Administration

Lo, Djung-Shu, M.A. . . . Dean

Chairmen of Departments

Ch'eng, Chih-hsüan . . .	Chinese
Moncrieff, Jesse Edwin, B.Sc., M.A.	Foreign Languages
Liu, Shao-Tse, M.A. . . .	Education
Sparling, George Wilbert, M.A., D.D.	Philosophy
Robertson, Harold Deeks, B.A. .	History, and Acting Chairman of Sociology
Anderson, Eleanor Waverly .	Fine Arts
Phelps, Margaret Hallenbeck, B.A.	Acting Chairman of Fine Arts.

Executive Committees:

The Dean, the Secretary and Chairmen of Departments.
The President, Chancellor, Dean of Studies *ex officio*.

Entrance Requirements of the College of Arts

The candidate must have completed prescribed pre-collegiate courses, or have graduated from an accredited senior middle school, or passed the university entrance examinations in the following subjects: Chinese Literature and Essay Writing of advanced grade: General and Chinese History and Geography; English, Algebra and Geometry; Chemistry or Physics or Biology; Intelligence Tests, and Oral Examination.

Regulations of the College of Arts

1. With the exception of certain students majoring in Chinese, all the students of the College of Arts are required to take the courses of the Common Freshman year.

2. Beginning with the Sophomore year, each student in the College may major in the department of his choice and also take a minor subject in connection with another department. The student is not allowed to change his major and minor from one department to another without getting permission from the Dean of the College and the Chairmen of the departments concerned and the consent of the Registrar. No student can change his major and minor subjects after the junior year.

3. The minimum requirement for the major subject is 40 credits, and for the minor subjects is 20 credits. Each department may determine the maximum number of the required credits. No courses of the Freshman year can be reckoned in the required credits for major and minor subjects.

4. The College of Arts requires each student to study for four years. The total number of credits required for graduation is 152—divided as follows: Freshman year 44, Sophomore year 40, Junior year 36, Senior year 32. Students in the Senior year must leave ample time to write the graduation theses. Under special circumstances, the students may take courses exceeding 32 credits in the Senior year, if the Dean, the Chairman of the major department and the Registrar give permission.

5. Besides the required courses in the major and minor subjects, all Sophomore students must take six Credits in Chinese, eight credits in English and four credits in philosophy.

6. Besides the required courses in the major and minor subjects, all students, in the Junior and Senior years, must take a total of eight credits in Chinese and eight credits in English.

7. Besides the required credits in the major and minor subjects, and the common required courses such as Chinese

and English, the students may elect some courses outside of the major and minor departments, or courses from other Colleges of the University, if permission is given by the Dean and the Chairman of the major department and the instructors of the courses chosen.

8. These regulations apply to all students entering the University beginning with the fall of 1933,

Common Freshman Year.

Chinese	3	hours per week per year	Credits 4
English	9	hours per week per year	" 9
General Psychology	2	hours per week per year	" 4
History	3	hours per week per year	" 6
Logic	3	hours per week one term	" 3
Ethics or Introduction to Philosophy	2	hours per week per year	" 4
Sociology	3	hours per week for one term,	" 3
Economics	3	hours per week for one term,	" 3
Survey of Modern Knowledge	2	hours per week per year	" 2
Biology	5	hours per week per year,	" 6
Total:	32	hours per week per year, Total:	" 44

Time-table of Common Freshman Year

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-9	Biology	English	Sociology (Fall term) Economics (Spring term)	English	Biology	English
9-10	Psych-ology	Sociology (Fall term) Economics (Spring term)	Ethics	Sociology (Fall term) Economics (Spring term)	Psych-ology	Ethics
10-11	English	English	English	English	English	English
11-12						
1-2	Survey of Modern Knowledge	History		Survey of Modern Knowledge	Biology	
2-3	Chinese	Chinese	History	Chinese	Biology	
3-4	Logic (Fll term)	Logic (Fall term)	History	Logic (Fall term)	Biology	

THE DEPARTMENT OF CHINESE

Ch'eng Chih-hsüan Professor. Graduate of the Japan Hung Wen Normal College; former Socretary Peiping Dept. of Education; former Head of Education Bureau in Szechuan, Chairman.

Du Feng-fu, M.A. Associate Professor Chinese Literature, Philosophical Writings.

Chao Shao-han, Lecturer.

Chu Shao-bin, Professor, Chinese History and Literature.

Chen Chia-yi M.A. Instructor Chinese Language.

Chung Chih-chü. Professor. Graduate of the Japan Higher Normal School; former Principal of the Szechuan Provincial Fourth Normal School; former President of the Chengtu Normal College. History; Philology; Classics.

Hu Kao-ru. Lecturer.

Kung Hsiang-nung. Lecturer. Chü Jen. Former President of the Chengtu Normal College. Classics; Bibliography.

Li Ping-ying. Lecturer. Chinese Grammar,

Li P'ei-fu. Lecturer. Graduate of the Japan Tsao Tao T'ien University. Phonology.

Lin Shan-yü, Lecturer. Former Clerk of the Cabinet of the Ch'in Dynasty; Principal of the Chengtu Middle School; Head of the Szechuan Library; Principal of the Hua-yang Middle School; Professor in the Chengtu University and the Chengtu Normal College. History of Chinese Literature; Poetry; Essays.

Pan Shi Chao. Lecturer

Pen Yuen Sen. Lecturer

Tao Liang Sen. Lecturer

The aim of the department is to promote the study of Chinese culture and literature; to collect and examine antiquities and material of historic interest and to interpret Chinese civilization to foreign countries.

The Freshman year is a common course required by all students registered in the department of Chinese. From the sophomore year to the senior year, students are divided into two groups, one group to study Chinese literature and the other to study Chinese culture.

COURSES OF STUDY.

Freshman Year.

Chinese 1-2. Philology.
2 hours per week per year. Credits 2-2

Chinese 3-4. A. Phonology.
2 hours per week per year. Credits 2-2

Chinese 5-6. Freshman Chinese.
3 hours per week per year. Credits 3-3

Chinese 7-8. Introduction to the study of the Chinese Classics.
2 hours per week per year. Credits 1½-1½

Chinese 9-10. Introduction to the study of Chinese History.
2 hours per week per year. Credits 1½-1½

Chinese 11-12. Introduction to the study of Chinese philosophical writing.
2 hours per week per year. Credits 1½-1½

Chinese 13-14. Introduction to the study of Chinese Literature.
2 hours per week per year. Credits 1½-1½

Chinese 15-16. The Four Books.
2 hours per week per year. Credits 1½-1½

Foreign Languages.
6 hours per week per year. Credits 4-4

Electives.
2 hours per week per year, Credits 1½-1½

Total: 25 hours per week per year. Total credits 20-20, 40

I Chinese Culture Group.

Chinese 17-18 A. Sophomore year course in the Classics.
3 hours per week per year. Credits 3 3
3 periods per week guided study. Credits 1½-1½

Chinese 19-20 A. Sophomore year course in Chinese His'y.
3 lectures per week per year. Credits 3-3
3 periods guided study per week per year. Credits 1½-1½

Chinese 3-4 B. Phonology.
2 hours per week per year. Credits 2-2

Chinese 21-22 A. Types of Chinese Literature.
3 hours per week per year. Credits 3-3

Chinese 23-24 A. Archeology.
2 hours per week per year. Credits 2-2

Chinese 1-2 B. Philology,
2 hours per week per year, Credits 2-2
Electives
2 hours per week per year, Credits 2-2

Total: 23 hours per week per year. Total Credits 20-20, 40

Junior Year

Chinese 17-18 B. Junior Year Course in Chinese Classics.
3 hours lectures per week per year. Credits 3-3
3 hours guided study per week per year. Credits 1½-1½

Chinese 19-20 B. Junior year course in Chinese History.
3 hours lectures per week per year. Credits 3-3
3 hours guided study per week per year. Credits 1½-1½

Chinese 25-26 A. History of the development of Chinese Language.
2 hours per week per year. Credits 2-2

Chinese 27-28 A. Chinese Bibliography.
2 hours per week per year. Credits 2-2

Chinese 11-22 B. Types of Chinese Literature.
3 hours per week per year. Credits 3-3

Chinese 23-24 B. Archeology.
2 hours per week per year. Credits 2-2

Total hours 21 per week per year. Total Credits 18-18, 36

Senior Year.

Chinese 17-18 C. Senior Year Course in Chinese Classics.
3 hours lectures per week per year. Credits 3-3
3 hours guided study per week per year. Credits 1½-1½

Chinese 19-20 C. Senior Year in Chinese History.
3 hours lectures per week per year. Credits 3-3
3 periods guided study per week per year. Credits 1½-1½

Chinese 25-26 B. History of the development of Chinese Language.
2 hours per week per year. Credits 2-2

Chinese 27-28 B. Chinese Bibliography.
2 hours per week per year. Credits 2-2

Chinese 29-30 A. Critical study of the Chinese Language.
2 hours per week per year. Credits 2-2

Chinese 21-22 C. Types of Chinese Literature.
2 hours per week per year. Credits 2-2
Electives Credits 2-2

Total: 22 hours per week per year. Total Credits 18-18, 36

II. Chinese Literature Group.

Sophomore Year.

Chinese 31-32 A. Philosophical Writings.
3 hours lectures per week per year. Credits 3-3
3 periods guided study per week per year. Credits 1½-1½

Chinese 33-34 A. Literary Works.
3 hours lectures per week per year. Credits 3-3
3 periods guided study per week per year. Credits 1½-1½

Chinese 35-36 A. Historical writings.
2 hours per week per year. Credits 2-2

Chinese 37-38. Pien Ti Wen.
2 hours per week per year. Credits 2-2

Chinese 39-40. Rhetoric
2 hours per week year. Credits 2-2

Chinese 41-42. Chinese Poetry.
2 hours per week per year. Credits 2-2
Elective Credits 3-3

Total hours: 23 per week per year. Total credits 20-20, 40

Junior Year.

Chinese 31-32 B. Philosophical Writings.
3 hours lectures per week per year. Credits 3-3
3 hours guided study per week per year. Credits 1½-1½

Chinese 33-34 B. Literary Works.
3 hours per week per year. Credits 3-3
3 hours guided study per week per year. Credits 1½ 1½

Chinese 35-36 B. Historical Writings.
2 hours per week per year. Credits 2-2

Chinese 37-38. Pien Ti Wen.
2 hours per week per year. Credits 2-2

Chinese 27-28 A. Chinese Bibliography.
2 hours per week per year. Credits 2-2

Chinese 41-42 B. Chinese Poetry.
2 hours per week per year. Credits 2-2

Chinese 43-44. T'si and Ch'u.
2 hours per week per year. Credits 1½-1½

Total hours: 22 per week per year. Total credits 18-18, 36

Senior Year.

Chinese 31-32 C. Philosophical Writings
3 hours lectures per week per year. Credits 3-3
3 hours guided study per week per year. Credits 1½-1½

Chinese 33-34 C. Literary Works.
3 hours lectures per week per year. Credits 3-3
3 hours guided study per week per year. Credits 1½-1½

Chinese 35-36 C. Historical writings.
2 hours per week per year. Credits 2-2

Chinese 27-28 B. Chinese Bibliography.
2 hours per week per year. Credits 2-2

Chinese 45-46. Works of Famous Poets.
2 hours per week per year. Credits 2-2

Chinese 47-48. Special Study of Ch'u.
2 hours per week per year. Credits 2-2
Electives Credits 2-2

Total hours: per week per year 21. Total Credits 18-18, 36

Suggested Electives for the Students in the Department of Chinese.

Philosophy 41-42. General Ethics. Credits 2-2
Philosophy 15-16. History of West'rn Philosphy. Credits 3-3
Philosophy 47-48. Philosophy of Life. Credits 2-2
Philosophy 13-14. Philosophy of Buddhism. Credits 2-2
Philosophy 67-68. How to use your Mind. Credits 1-1
Education 32. Method of Teaching Chinese. Credits 3
Education 76. History of Chinese Education. Credits 3
History 9-10. History of Chinese Culture. Credits 3-3
History 7-8. History of the Chin Dynasty. Credits 3-3
English
French.

THE DEPARTMENT OF FOREIGN LANGUAGES.

Moncrieff, Jesse Edwin, M.A.	Professor & Chairman
Albertson, Wilford Beaton, B.A., B.D.	University Bursar
Argetsinger, Wilhelmina	Lecturer
Brown, Homer Grant, M.A.	Professor
Brown, Muriel Joy, B.A.	Lecturer
*Fosnot, Pearl Beatrice, M.A.	Assistant Professor
Foster, B. Louise, B.A.	Assistant Professor
Hansing, Ovidia, M.A.	Assistant Professor
Manly, Florence Brown, B.A.	Lecturer
Mullett, Pearl McDonald	Lecturer
Phelps, Dryden Linsley, Ph.D.	Professor
Pu, Hope Ch'uen-hua, B.A.	Lecturer
Robertson, Harold Deeks, B.A.	Professor
Smalley, Frank A., B. Litt., M.A., Oxon.	Associate Professor
Smalley, Nellie, B.A., Oxon.	Lecturer
Sparling, George Wilbert, M.A., D.D.	Professor
Streeter, Mary Elizabeth, B.A.	Lecturer
Taylor, Joseph, D.D.	Professor
Thexton, Annie Cecelia, M.A.	Assistant Professor
Willmott, Mary Katherine, M.A.	Lecturer
Yuan, Madame	Lecturer

*On leave

The Department of Foreign Languages offers courses with the following aims;

(1) To increase the student's facility in the use of oral and written English (or French, or German), especially developing to the point of enjoyment his ability to read the foreign language.

(2) To impart to the student some knowledge and appreciation of the history, culture and literature of the country whose language is studied.

And, in the case of the English language,

(3) To cooperate with the Faculty of Education in training teachers of English.

Department Regulations.

Students will be graded according to their general ability to use English (or French, or German), as well as upon the subject matter which is read.

English 3-4, 5-6, and 7-8 are required of all first year students. English 9-10 and 11-12 are required of all candidates for graduation in Arts. Other courses may be elected to fulfil particular requirements for graduation.

Credits required of students majoring in this department are as follows: First year, 44; Second year, 40; Third year, 36; Fourth year, 32. Total required for graduation 152.

Second year Student majoring in this Department

English	9-10.	Essays and Stories - - - - 6
"	11-12.	Rhetoric and Composition - - - 6
"	15-16.	Expository English - - - - 4
"	49-50.	Modern Drama - - - - - 4
Chinese - - - - - - - - - -		6
Philosophy - - - - - - - - -		4
Electives - - - - - - - - -		10
		40

Third and Fourth year students majoring in this Department

English 13-14.	Advanced Composition - - - -	4
" 33-34.	History of English Literature - -	6
" 35-36.	Elizabethan Drama - - - -	6
English 37-38.	The English Novel	6
English 59-60.	Senior Thesis	2
Electives in this Department		28
Courses in the Department of Chinese		8
General Electives		8
		72

Third and fourth year elective courses in this department may be selected upon consultation with the chairman of the department, and with his consent certain other courses, as in history and philosophy, which are taught in English, may be accepted as third and fourth year English elective courses.

English 3-4 Short Stories. Credits 2-2
Required: First year students of all departments.
Lectures: 3 hours a week throughout the year.

English 5-6 Freshman Composition. Credits 2-2
Required: First year students of all departments.
Lectures: 3 hours a week throughout the year.

English 7-8 Oral Practice and Conversation. Credits 3-3
Required: First year students of all departments.
Lectures: 3 hours a week throughout the year.

English 9-10 Modern Essays and other Prose. Credits 3-3
Prerequisite: English 3-4
Required: Students of all departments.
Lectures: 3 hours a week throughout the year.

English 11-12 Rhetoric and Composition. Credits 3-3
The aim of this course is to train students to think clearly and logically, to write and speak correctly and effectively. A large amount of time is given to practice, both oral and written.
Prerequisite: English 5-6
Required: All Arts students; 2nd year for students of Foreign Language Department
Elective: 3rd and 4th year students of other Colleges.
Lectures: 3 hours a week throughout the year.

English 13-14 Advanced English Composition. Credits 2-2
Prerequisite: English 11-12
Required: 3rd and 4th year students of Foreign Lauguage Department
Elective: 3rd and 4th year students of other departments.
Lectures: 2 hours a week throughout the year.

English 15-16 Expository English. Credits 2-2
A reading course, with emphasis upon extensive and analytic reading, note taking, the collection and organization of materials, written and oral reports.
Required: 2nd year students of the Foreign Language Department
Elective: 2,3, other departments.
Lectures: 2 hours a week throughout the year.

English 17 (Ed. 35) The Teaching of English. Credits 3
Elective: 3, 4
Lectures: 3 hours a week for one term.

English 18 Phonetics and Pronunciation. Credits 3
Elective: 3, 4
Lectures: 3 hours a week for one term

English 19-20 English for Fourth year Medical Students. Credits 3-3
A special reading course.
Lectures: 3 hours a week throughout the year.

English 29-30 English in Commercial Life. Credits 3-3
This course includes an acquaintance with the use of English in world trade, international exchange, and general business.
Elective: 3, 4
Lectures: 3 hours a week throughout the year.

English 31-32 Current Events. Credits 1-1
Elective: 2, 3, 4
Lectures: 1 hour a week throughout the year

English 33-34 History of English Literature. Credits 3-3
Required: 3rd year students of Foreign Language Department
Elective: 3, 4, other departments
Lectures: 3 hours a week throughout the year.

English 35-36 The Elizabethan Drama. Credits 3-3
Required: 3rd or 4th year students of Foreign Language Department
Elective: 3, 4, other departments
Lectures: 3 hours a week throughout the year.

English 37-38 The English Novel. Credits 3-3
Required: 3rd or 4th year students of Foreign Language Department.
Elective: 3, 4, other departments
Lectures: 3 hours a week throughout the year.

English 39-40 English Poetry of the 19th and 20th Centuries.
Elective: 3, 4 Credits 2-2
Lectures: 2 hours a week throughout the year.

English 41-42 American Literature. Credits 2-2
Elective: 3, 4
Lectures: 2 hours a week throughout the year.

English 43-44 Tennyson and Browning. Credits 2-2
Elective: 3, 4
Lectures: 2 hours a week throughout the year.

English 45-46 English Biography. Credits 2-2
Elective: 3, 4
Lectures: 2 hours a week throughout the year.

English 47-48 Modern Essays. Credits 2-2
Elective: 3, 4
Lectures: 2 hours a week throughout the year.

English 49-50 Modern Drama Credits 2-2
Required: 2nd year students of Foreign Laugnage Department
Elective: 2, 3, other departments
Lectures: 2 hours a week throughout the year.

English 51-52 Current Literature. Credits 3-3
Selections are made from magazines, papers, and new books, with a view to promoting rapidity of comprehension, increase of vocabulary, and familiarity with modern English style.
Elective: 3, 4
Lectures: 3 hours a week throughout the year.

English 53-54 The English Bible as Literature. Credits 2-2
Elective: 2, 3, 4
Lectures: 2 hours a week throughout the year.

English 55-56 European Literature. Credits 2-2
Elective: 3, 4
Lectures: 2 hours a week throughout the year.

English 57-58 Chinese Literature in English Translation. Credits 2-2
English translations of Chinese Classics, poetry, prose and essays are read with the purpose of acquainting the student with the extent of translated literature and developing a facility in translating.
Electives: advanced students in English and in Chinese
Lectures: 2 hours a week throughout the year

English 59-60 Senior Thesis and Seminar. Credits 1-1
This course trains the students in methods of research essential for the production of a senior thesis.
Required: all 3rd year students in Arts
Lectures: 1 hours a week throughout the year

English 61-62 History of Hebrew Literature. Credits 2-2
Text book: The English Old Testamant
Elective: 3, 4.
Lectures: 2 hours a week throughout the year.

French 1-2 Elementary French. Credits 3-3
Credit is allowed only when French 3-4 is completed.
Elective: 2, 3, 4.

French 3-4 Readings in French. Credits 3-3
Elective: 3, 4.
Lectures: 3 hours a week throughout the year.

German 1-2 Elementary German Credits 3-3
Credit is allowed only when German 3-4 is completed.
Elective: 2, 3, 4.
Lectures: 3 hours a week throughout the year.

German 3-4 Readings in German. Credits 3-3
Elective: 3, 4
Lectures: 3 hours a week throughout the year.

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DEPARTMENT OF PHILOSOPHY.

Sparling, George Wilbert, M.A., D.D.	Vice-Chancellor of the University, Chairman of the Department.
Dsang, Lin-kao, M.A., D.D., Ph.D.	President of the University.
Du, Fung-fu, M.A.	Associate Professor.
Fong, Shu-hsuan	Professor.
Fosnot, Pearl B., M.A.	Assistant Professor.
Hansing, Ovidia, M.A.	Assistant Professor.
Huang, Fang-kang Ph.D.	Lecturer.
Lo, Djung-Shu, M.A.	Associate Professor.
Peng, Yuen-sen	Lecturer
Phelps, Dryden Linsley, B.D., Ph.D.	Professor.
Shiao, Wen-ro, M.A.	Lecturer.
Simkin., Robert Louis, M.A.	Professor.
Walmsley, Lewis C. Ped.B.	Assistant Professor.

The aim of this department is to deepen the insight of the student facing the fundamental issues of life and of thought; to create a capacity for original thought and a constructive approach to the intellectual problems of to-day.

DESCRIPTION OF COURSE.

I Philosophy in General.

Philosophy 1-2. Introduction to Philosopy. Credits 2-2
2 hours per week per year. Mr. Lo.

An introduction to the subject of Philosophy through the study of its major problems.

Open to students who have previously studied the histories of both Chinese and Western Philosophy.

II Oriental Philosophy.

Philosophy 5-6 A. History of Chinese Philosophy. Credits 3-3
3 hours per week per year. Mr. Liu.

A study of Chinese thinking from the Chao dynasty to recent times.

Philosophy 7-8. Philosophy of Daoism Credits 2-2
2 hours per week per year. Mr. Du.

A critical study of the works of the Daoist philosophers such as Laotze, Chungtse, and how they developed their ideas.

Philosophy 9-10. Philosophy of Confucianism. Credits 2-2
2 hours per week per year. Mr. Du.

A study of Confucius, Mencius and Shuntze.

Philosophy 11-12. Philosophy of Mohti. Credits 2-2
2 hours per week per year. Mr. Lo.

An Analytical study of the Ethical and Logical ideas of Mohti and His school.

Philosophy 13-14. Philosophy of Buddhism. Credits 2-2
2 hours per week per year.

A study of the Philosophical ideas of Buddhisim.

III. Occidental Philosophy.

Philosophy 15-16. History of Western Philosophy.
3 hours per week per year. Credits 3-3
Mr. Hsiao.

Tracing the developing stages of the occidental thought from the early Greeks to the present.

Philosophy 21-22. Recent Western Philosophy. Credits 2-2
2 hours per week per year. Mr. Sparling

A history of Western Philosophy with special emphasis on modern Philosophers, Bergson, Morgan, Russell and others.

Pre-requisiste: a knowledge of English.
Elective: 3rd and 4th year.

Philosophy 25-26. Philosophy of Plato. Credits 3-3
3 hours per week per year, Mr. Lo.

An intensive study of Plato's dialogues with special reference to the epistemological, metaphysical and ethical problems of Plato.

Philosophy 27-38. Philosophy of Aristotle. Credits 2-2
2 hours per week per year.

A study of the works of Aristotle with special emphasis on his "Ethics."

Philosophy 29-30. Philosophy of Kant. Credits 2-2
2 hours per week per year. Miss Hansing

Reading of the Critique of Pure Reason and the selections from other writings of Kant.

Philosophy 31.32. Readings in Philosophy. Credits 2-2
2 hours per week per year. Mr. Lo

A reading course of the writings of some ancient and contemporary philosophers.

Philosophy 33-34 Philosophy of Berkeley and Hume, Credits 2-2 Mr. Huang.

Reading of the Philosophical. work of Berkeley an Hume.

IV. Ethics.

Philosophy 41-42. General Ethics. Credits 2-2
2 hours per week per year. Miss Hansing.

An introductory study of the major problems of ethics.

Philosophy 43-44. Christian Ethics. Credits 2-2
2 hours per week per year Miss Fosnot.

A study of basic ethical principles is made and some modern social problems are considered in the light of Christian ethics.

Philosophy 45-46. Ethical Systems. Credits 2-2
2 hours per week per year. Mr. Lo.

A comprehensive study of the principal types of ethical theory and their influence in practical life.

Philosophy 47. Philosophy of Life. Credits 3
3 hours per week. One term. Mr. Hsiao.

A study of the fundamental problems of life.

V. Logic.

Philosophy 51-52. Elementary Logic. Credits 3
3 hours per week, one term. Miss Hansing

This course in an introduction to logic for general students. It emphasizes the practical application of reasoning, the use of induction and deduction in scientific thought.

Philosophy 53-54. Advanced Logic. Credits 2-2
2 hours per week per year. Miss Hansing

A thorough study of the fundamental problems in logic and a survey of logical theories.

VI. Psychology.

Philosophy 61-62. General Psychology. Credits 2-2
2 hours per week per year. Mr. Lo.

A study of the principles of human behavior, and the relation of psychological facts to everyday life.

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Philosophy 63-64. Experimental Psychology. Credits 3-3
3 hours per work per year. Mr. Walmsley.

This course is an introduction to the data of experimental psychology, and the application of experimental methods to the study of psychological problems.

Philosophy 65-66. Social Psychology. Credits 2-2
3 hours per week per year. Mr. Walmsley.

A study of group behavior and man's adjustments to civilization.

Philosophy 67-68. Abnormal Psychology. Credits 2-2
Miss Hansing.

A study of Abnormal Behavior and Mental Health.

Philosophy 69-70. Systematic Psychology. Credits 3-3
2 hours per week per year.

Systematic study of some representative schools of psychology.

VII. Philosophy and Religion.

Philosophy 71-72 Philosophy of Religion. Credits 2-2
2 hours per week per year. Mr. Hsiao.

A study of the nature and scope of religion in the light of the knowledge of religious history and to discuss the origin and development of religion and religious consciousness in connection with some of the philosophical questions.

Philosophy 73-74. Comparative Religion. Credits 2-2
2 hours per week per year. Mr. Dsang.

Confucianism, Buddhism and Christianity compared.

Philosophy 75-76. Problems of Religion, Credits 2-2
2 hours per week per year. Mr. Sparling.

An attempt will be made to trace the development of religion and to answer some of the problems which arise in seeking to understand it.

Philosophy 79-80. History of Chinese Religious Experience. Credits 1-1
1 hours per week per year. Mr. Phelps.

Tracing the development of the religious conceptions in Chinese literature.

Philosophy 81-82. History of Christian Thought. Credits 2-2
2 hours per week per year. Mr. Simkin.

The controlling religious conceptions of the Christian Church from its rise to the present.

VII. Special Studies in Philosophy.

Philosophy 91. Aesthetics Credits 2
A study of the principles and theories of Aesthetics.

COURSES REQUIRED IN THE DEPARTMENT OF PHILOSOPHY.

SECOND YEAR.

Chinese 4 hours per week per year.	Credits 6
English 6 hours per week per year.	" 8
Philosophy 5 6. History of Chinese Philosophy.	" 6
" 15-16 History of Western Philosophy.	" 6
" 45-46. Ethical Systems	" 4
" 63-64. Experimental Psychology or	" 6
" 67-68. Abnormal Psychology.	
Electives	" 4
	40

THIRD AND FOURTH YEARS.

Chinese Philosophy.	Credits 16
English 3 hours per week per year.	" 8
Philosophy 21-22. Recent Western Philosophy.	" 4
" 25-26. Philosophy of Plato.	" 6
" 27-28. Philosophy of Aristotle.	" 4
" 53-54. Advanced Logic.	" 4
" 63-64. Experimental Psychology or	
" 65-66. Social Psychology.	" 6
Electives	" 24
	27

Suggested electives:
Philosophy. Ph. 5-6 B, 29-30, 31-32, 47-48, 68-70, 71-72, 75-76, 79-80, 81-82, 91, 94.

DEPARTMENT OF EDUCATION.

Liu Shao-tzu, M.A. Associate Professor. Dean of the Faculty. School Administration.

*Argetsinger, Wilhemina. Social Science.

Brown, Homer Grant, M.A. Professor. Psychology and Religious Education.

Brown, Muriel Joy, B.A. Supervisor of Practice Schools and Practice Teaching.

Chen Tze-hsuan. School Administration and History of Chinese Education.

Collier, Mary. Extra curricular Activities.

Chu Sheo-ren, M.A. Vocational Guidance

Dickinson, Frank, B.A., M.Sc. Professor. Agriculture.

Dye, Jane Balderston, M.A. Associate Professor. Methods in Mathematics.

Fong Su-hsuan, B.A. Professor. Philosophy and History of Education.

*Fosnot, Pearl Beatrice, M.A. Assistant Professor. General Methods and Religious Education.

Hansing, Ovidia, M.A. Child and Educational Psychology.

Huang Mien, M.A. Agriculture and Rural Sociology.

Moncrieff, Jesse, M.A. Professor. Methods in Teaching English.

Walmsley, Lewis Calvin, B.A., B. Paed. Assistant Professor. Experimental and Social Psychology.

The Status of the Department

The Department of Education, for purposes of registration with the government, is a department in the College of Arts for internal administration, however, it is independent and bears the same relation to the College of Science as to that of Arts.

The Aim of the Department.

The aim of the faculty is to give such an understanding of the principles of school work, and such an acquaintance with, and practice in its methods, as will enable our graduates to render effective service as teachers or as school administrators. This faculty depends entirely upon the various departments of the College of Arts and Science for the subject matter of the students' courses.

IV. Entrance Standards.

To take the work in Education, students must meet the regular requirements for either the College of Arts or that of Science.

V. The Course.

Two options are open to students who propose to teach. They may take the regular work of one or other of the departments under the College of Arts or Science, but as electives and extra courses, take the twenty-five required credits in Education. In case the number of electives allowed by any department does not allow the student to take these required courses in Education, students may take a maximum of fifteen credits over and above the one hundred and fifty-two required of other students. The completion of these twenty-five credits in Education entitles the student to have the wood "Education," in brackets on his Degree in Arts or Science.

A second option is for students who want to specialize in Education. Such students shall take the regular first year of either the Arts or Science course, and in their succeeding years in College, they shall take (*a*) the twenty-five required courses of all students in Education, (*b*) at least fifteen other credits in Education, to be chosen in consulation

with the Dean of Education, (*c*) at least sixty credits in two department under either Arts or Science, and (*d*) at least a sufficient number of other credits to make up a total of one hundred and sixty-two. Students who complete this work shall be given a degree in either Arts or Science, and in addition shall receve a Diploma in Education. 40 credits in Education entitles the student to a first class diploma, 25 credits entitles him to a second class diploma.

Aside from academic work, students in Education are required to hape some experience in Administrative, Extra curricular and Community work. The following is an outline of the requirements:

A. In Administration.

(a) Reports to the Educational Bureau. 5
(b) The Management of all Records for a time. 5
(c) Associate Proctor of a Class for a month. 5
(d) Associate Proctor of the Dormitory for a month. 5
(e) Dean of Studies. 5
(f) Acting as Treasurer of the School. 5
(g) Dean of Disicpline. 5

B. Extra-Curricular Activities.

(a) Associate in the management of intellectual activities—debates, lectures, school and class papers, etc.
(d) Associate in the management of social activities—entertainments, excursions, visits to schools and other institutions, receptions, etc. 5
(c) Associate in the management of athletic activities—athletic meets, games, races. 5
(d) Associate in religious and moral activities, Sunday School, Sunday Services, etc. 5
(e) Management of Vocational Activities. 5

C. Work in the Community.

(a) Assist in the management of a local Mass Education project.

(b) Help organize or manage some social welfare projects, meetings for parents, etc. 5
(c) Help manage some athletic project for the community. 5
(d) Help carry through some religious or moral project—a Boys' or Girls' Camp, Girl Guides or Boy Scouts work. 5

Distinctly satisfactory work in any of the above activities entitles the students to 5 points. A smaller number of points is given for less effective work. Students must undertake work in at least two lines under each of the three groups, and must get at least six points in each group.

Students must secure some of these points each term during the last three years.

Reports must be submitted to the Faculty of the School who fix the number of points obtained.

VI. Practice Schools.

The Faculty of Education is responsible for the Goucher Junior Middle School and in union with the Women's Foreign Missionary Society of the Methodist Episcopal mission manages the Dewey Kindergarten and Primary Schools. This allows for observation, practical work and experimentation by both teachers and students of the Faculty in both secondary primary school work.

VII. List of Courses.

I. Theory. Education 1-2. Principles of Education. Credits 2-2
The aim of this course is to present the fundamental principles that underlie modern education, and their application to teaching method, school management and national problems.
Required in the third year: Given yearly. Mr. Liu.

Education 3-4. History of Education. Credits 2-2
This course will deal with the development of theory and practice of education in Europe and America.

with a consideration of the educational systems in those lands.

Optional—given in alternate year—recommended. for fourth year students. Mr. Fong.

Education 5. Rural Sociology. Credits 2
This course will deal with the conditions and problems of rural life with a view to preparing teachers who will understand the society to which a great number of their students will have to adjust themselves. Textbook: Introduction to Rural Sociology, by Paul L. Vogt.

Optional.—Given in alternate years. Recommended for fourth year students. Mr. Dickinson.

II. Psychology. Education 11. Child Psychology. Credits 3

This course will involve a study of the instincts and habits, of the emotional and intellectual life of the individual through childhood and adolescence. Emphasis will be given to practical pedagogical problems. Textbook: Mental Growth and Decline. Hollingsworth.

Required in the third year. Given every year.
Miss Hansing

Education 12. Educational Psychology. Credits 3
This course will take up man's equipment of instincts and capacities, the capacity to learn, the psychology of the learning process, factors and conditions of improvements, individual differences and their causes and like subjects.
Textbook: Educational Psychology—Pintner.

Required in the third year. Given every year.
Miss Hansing

Education 13-14. Experimental Psychology. Credits 2-2
This course aims to give the student a working acquaintance with the technic of psychological ex-

perimentation. He will be required to set up experiments. and observe and record results. Optional. Given in alternate years. Mr. Walmsley.

III. Administration. Education 21-22. Administration and Supervision of Elementary Schools. Credits 2-2

This course will deal with the practical problems of Primary Schools, the qualifications of principals and teachers, time-tables and general class management.

Education 23-24. Secondary School Problems. Credits 2-2.
This course will deal with the practical problems of the Middle School curriculum, the qualification and duties of principals and teachers, the management of dormitories, extra-curricular activities, and student organizations.

Textbook: Secondary School Education, Liao. Introduction to the Scientific Study of Education—Judd. (Translation).

Education 25-26. Supervision of Instruction. Credits 4.
Mr. Liu

IV Methods. Education 31. General Methods. Credits 3
This course involves a consideration of the new curriculum for schools and a discussion of methods of teaching the same. It will involve directed observation of teaching. Mr. Liu

Education 32. The Teaching of Chinese Language.
Credits 3

Methods and problems of teaching Chinese in Junior Middle Schools will be taken up. This will include a study of Reading, and its application to the teaching of Chinese. Mr. Fong.

Education 33. The Teaching of Mathematics. Credits 3
A consideration of the problems peculiar to the teaching of Middle School mathematics. The nature and value of mathematics with their pedagogic bearings. A critical review of courses and methods of teaching. Mrs. Dye.

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Education 34. The Teaching of Social Sciences. Credits 3.

A review of the subject matter will be given with an arrangement of the materials and methods of presentation, in order to develop an appreciation of Chinese History, political systems and society in general. Miss Argetsinger.

Education 35. The Teaching of English. Credits 3.

Methods and problems of teaching English in Middle Schools, with special training in the phonetic method. Mr. Moncrieff.

Education 36. The Teaching of the Natural Sciences Credits 3.

A brief review of the textbooks in these subjects for Junior Middle Schools, and a consideration of the required equipment and of methods of presentation.

Education 38. Practice Teaching. Credits 2.

Three hours a week of practice teaching under supervision will be required. Students shall choose any two of the following departments for their practice teaching: Chinese, Mathematics, Social Sciences, Natural Sciences, English. Required.

V. Vocational Education. Education 41-42.
Agriculture. Credits 2-2

This course will deal with the pressing problems of agriculture in West China, with the purpose of helping in their solution through our Higher Primary and Middle Schools. Textbook: Elements of Agriculture, Warren. Mr. Dickinson.

VI Arts and Crafts. Courses under the Fine Arts Department may be given credit in Education.

VII. Character Education. Education 51. Methods in Moral Education. Credits 3.

This is a course for all students interested in investigating present day materials and methods. Some of the methods stressed will be projects, the use of stories for children, and discussion and research for young people. Textbook: "Making the Bible Desired." Barbour. Optional. Miss Fosnot.

Education 52. Dramatization and Pageantry Credits. 3.

This course will include simple class-room dramatization of stories, and more pretentious drama. Attention will be given to the writing and producing of plays and pageants. Miss Fosnot

Education 53-54. Psychology and the Development of Character. Credits 2-2.

This course will deal with tendencies which prevent the development of a wholesome forward-looking character, and with the general problem helping people to their best sort of functioning in relation to society and to God. The work of the first term will based upon two books by Overstreet: "About Ourselves" and "Influencing Human Behaviour" For the second term, the work will be based upon "Teaching of Ideals" by Charters. Optional. Mr. Brown.

Education 55-56. Young People's Work. Credits 2-2

This course will consider the problems connected with the adjustment of young people to society in its various phases. The work of the church, the school and other government organizations in relation to young folk will be studied. Optional. Miss Fosnot

Education 57-58. Principles of Religious Education. Credits 2-2.

For the first term, the following subjects will receive attention: Human nature as seen by psychology, sociology, and historic christianity; aims in religious education; how Christian character develops: administration of religious education. Textbook; "Principles of Religious Education," Emme and Stevick. In

the second term, the materials available for preparing teachers of religion will be studied. Optional.
Mr. Brown

Education 59. Religious Education and Social Life.
Credits 2.

This course will discuss the social aims and methods of Religious Education, and the psychological background of a socialized religious educational programme

Textbook: What is Religious Education. Coe.
Optional. Mr. Brown

Education 60. Psychology of Religion. Credits 2.

This course will centre its attention on the religious consciousness from the historical and psychological points of view, and will deal with the outstanding phenomena of religion which we witness in individual and in group life. Textbook: The Religious Consciousness. Pratt. Optional. Mr. Brown.

VIII. Other Elective Courses. Education 71. Primary School.
Credits 2.

This course will deal with the technique of curriculum making along scientific lines, adapting it to the needs of the society in which the school is functioning. Textbook; The Primary School Curriculum. Ch'en. (In Chinese). Optional. Mr. Fong.

Education 72. Secondary School Curriculum. Credits 2.

This course will take up the principles of secondary school curriculum making, and apply them to the schools of China at the present time. Optional.
Textbook: The Curriculum. Bobbitt. Mr. Liu.

Education 73. Educational Statistics. Credits 2

This course covers the theoretical and practical aspects of statistical methods as applied to education. Given in alternate years. Optional.
Textbook: Educational Statistics. Rugg.

Education 74. School Hygiene. Credits 2.

This course will deal with problems of student health and school sanitation. Given in alternate years. Optional. Textbook: Fundamentals of School Health Keir. Dr. Crawford.

Education 75. Comparative Education. Credits 2.

This course will consist of a critical study of modern education in foreign countries, and the relation between the social ideals of nations and their educational systems. Optional. Given in alternate years. Textbook: Comparative Education. Sandiford. Mr. Fong.

Education 76. History of Chinese Education. Credits 2.

An outline of Chinese education with a special study of the systems of the various periods. Optional. Given in alternate years. Mr. Chen.

Education 77. Educational Sociology. Credits 2.

A study of the relation of the school to the community and to social progress. Methods will be given as to how the school may better co-operate with the parents and function as a social centre. Optional. Given in alternate years. Textbook: Educational Sociology Tao.

Education 78. Vocational Guidance. Credits 2.
Mr. Chu Sheo-ren

Education 79. Instruction in Extra Curricula Activities.
Credits 2.
Mrs. Collier

Education 81. How to Use your Mind. Credits 1-1

This course is required of all university students, and takes up the problems of concentration and study. Every year. Miss Hansing

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IX. The Teaching of Agriculture in Szechuan Junior Middle Schools. How to Teach Agriculture in the Middle School. (Methods).

It is the specific aim of this course to be of assistance to teachers and supervisors of the teaching of agriculture. Special emphasis will be placed on programs for initiating teaching through school-garden and home projects, and the organization of subject matter for definite school laboratory areas.

School Gardening.

This study will be given in conjunction with the above mentioned course. Useful exercises and practical instruction that will lead to the making of school and home gardens in both city and country schools, will be given for the purpose of developing the underlying principles of school gardening.

Lessons in Agriculture for Szechuan Middle Schools.

A series of lessons on agriculture will be presented in conjunction with the two above mentioned courses. Each lesson will include the lesson outline, references, illustrative material, practical exercises and correlated suggestions adaptable to Szechuan schools. In addition, a thorough and complete study will be made of one of the grains and one of the vegetables.

These three courses will be offered to third and fourth year students of education for the 1935 fall term only. Credits 3 for one term.

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THE DEPARTMENT OF HISTORY.

Robertson, Harold Deeks, B.A., -	Professor and Chairman of Dept
Chung, Chi-chü, - - - -	Professor
Dickinson, Frank, M.A. - - -	Associate Professor
Graham, David C., Ph.D., D.Sc. -	" "
Liu, Li-hsien, B.A., - - -	" "
Simkin, Robert Louis, M.A., - -	Professor
Smalley, Frank A., M.A., B. Lit., Oxon.	Associate Professor
Smalley, Nellie, A.B., Oxon. - -	Lecturer
Chu, Shao-bing, - - - - -	Professor
Wang, C. H., B.A., B.D. - -	Lecturer
Wu, Hsien-yu, B.A., - - -	Lecturer

Courses of the Second, Third and Fourth Year.

SECOND YEAR.

Chinese	Credits	6
English	"	12
Philosophy	"	4
History of the Chin Dynasty	"	4
Electives	"	12
		40

THIRD AND FOURTH YEAR

Chinese	Credits	8
English	"	8
History	"	34
Electives	"	18
		68

Required Courses.

THIRD AND FOURTH YEAR

CHINESE HISTORY		Credits 16
History 15-16.	History of the 19th Century	Credits 6
History 43-44.	History of Japan	Credits 4
History 49-40.	Modern China	Credits 6
History 13-14, History 23-24.	History of England, or History of the United States	Credits 6

Description of Courses.

History	1.	Freshman History Modern History From the Congress of Vienna 1815.	Credits 3 Mr. Wu.
History	3-4.	Outline of world History.	Credits 3-3 Mrs. Smalley
History	7-8.	Chinese History. The Chin Dynasty.	Credits 3-3 Mr. Liu.
History	9-10.	History of Chinese Culture.	Credits 3-3 Mr. Liu.
History	11-12.	Review of Chinese History.	Credits 3-3 Mr. Liu.
History	13-14.	History of England. A study of the growth and development of political conceptions and the evolution of the modern constitution; the economic expansion and social changes; the historial background of the chief literary epochs.	Credits 3-3 Mrs. Smalley.
History	15-16.	History of the 19th Century. A study of the important political, social and economic movements.	Credits 3-3 Mrs. Smalley

History 17-18. Current Events — Credits 2-2
Mr. Robertson.

History 19-20. Chinese and Russian. — Credits 2-2
A review of the contacts of these nations from the Mongol invasions to the present. — Mr. Robertson.

History 23-24. History of the United States. — Credits 3-3
A study of the colonial system, the War of Independence, the making of the constitution, the civil war, the political, social and industrial life of the 19th and 20th centuries.

History 25-26. Political Philosophy. — Credits 3-3
A study of political concepts, ancient snd modern, and their influence on history. — Mr. Smalley.

History 27-28. Introduction to Political Science — Credits 2-2

History 29-30. Political Institutions. — Credits 3-3
A study of the political systems of modern nations. A comparative study. — Mrs. Smalley.

History 31-32. Modern Constitutions. — Credits 3-3

History 33-34. International Law. — Credits 2-2

History 37-38. Modern Political Theories — Credits 3-3

History 39-40. The International Relations of Modern China. — Credits 3-3
Mr. Robertson.

History 41. The League of Nations. A study of the origin, constitution and work of the League. — Credits 2

History 43-44. History of Japan. — Credits 2-2
Mr. Robertson.

History 45-46. History of Ancient and Mediaeval Europe. — Credits 3-3

History 47-48. Chinese History. — Credits 4-4
Mr. Chu.

History 49-50. Chinese History. — Credits 4-4
Mr. Chu.

History 51-52. Chinese History. — Credits 4-4
Mr. Chu.

History 53.

History 57 B. Archeology. — Credits 3
Spring term. — Mr. Graham.

History 55-56. Chinese Geography, — Credits 2-2

History 57 A. Historical Method. — Credits 3
Mr. Chung.

History 58. The Teaching of History and Geography. — Credits 3

History 59-60. The Historical Development of Christianity. — Credits 2-2
Mr. Simkin

History 61-62. The History of Christian Thought. — Credits 2-2
Same as Philosophy 81-82. — Mr. Simkin

History 63-64. The History of Christianity in China. — Credits 2-2
Mr. Wang

Economics 2 Principles of Economics. — Credits 3

Economics 7-8. Current Economic Problems of China. — Credits 3-3
Mr. Robertson

Economics 9-10. Rural Economics. — Credits 3-3
Mr. Dickinson

Economics 11-12. Public Finance. — Credits 3-3
A study of the theories and practices of different states in the matters of taxation, public debts, revenue and expenditure, annual budgets. — Mr. Robertson

Economics 13. Transportation Problems. — Credits 2

Economics 14. Statistics — Credits 2
Mr. Walmsley.

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THE DEPARTMENT OF SOCIOLOGY

Robertson, Harold Deeks, B.A. - -	Professor and Acting-Chairman.
Brown, Homer Grant, M.A. - - -	Professor.
Crawford, Wallace, M.D.C.M., D.P.H.	Associate Professor.
Dickinson, Frank, M.A. - - - - -	Professor.
Dsang, Lin-kao, M.A., D.D., Ph.D. -	President of the University.
Hwang-ti, M.A. - - - - - - - -	Lecturer.
Ho Ting-kwang, M.A., Ph.D. - - -	Instructor
Graham, David C., Ph.D., D.Sc. - -	Associate Professor.
Smalley, Frank, A., M.A., B.Litt. Oxon.	Associate Professor.
Walmsley, Lewis Calvin, B.A., Paed.B.	Assistant Professor.
Wang, Chuen-hsien, B.A., B.D. - -	Lecturer
Wu, Hsien-yu, B.A. - - - - - - -	Lecturer

Courses of the Second, Third and Fourth year.

SECOND YEAR.

Chinese	Credits 6
English	" 8
Philosophy	" 4
Principles of Sociology	" 6
Electives	" 16
	40

THIRD AND FOURTH YEAR.

Chinese	Credits 8
English	" 8
Sociology	" 32
Elective	" 20
	68

Description of Courses

Sociology 1. Introduction to Sociology. Credits 3. Mr. Huang.

An elementary course introducing the students of arts to the general field of sociology. It considers the sociological point of view, the relation of sociology to the other sciences of man and culture, and the fundamental nature of human society.

Sociology 3-4. Principles of Sociology. Credits 3 3. Mr. Huang.

This course deals with the major concepts and theories of sociology. A more critical study of social structure and function, social causation, social processes, and social change. It furnishes a further opportunity for the students majoring in sociology to step into the field.

Sociology 5-6. History of Western Social Thought. Credits 3-3. Mr. Wu.

A survey of the contributions of western social philosophers and theorists from the ancients to the dawn of scientific sociological thought, treated analytically and historically.

Sociology 7-8. History of Chinese Social Thought. Credits 3 -3. Mr. Wu.

A survey of Chinese social philosophies and theories of the past, using the same methods of approach and the same point of view, as in the study of western social thought.

Sociology 9. Contemporary Sociological Theories. Credits 3. Mr. Huang.

A course following the history of social thought. A comprehensive study of the development of sociological thought, from Montesquieu, Comte and Spencer to the present-day leading sociologists. Systemetic analysis of the various schools and their theories in Europe and America. Special attention is given to the source materials.

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Sociology 11. Social Evolution. Credits 3.
Mr. Huang

A critical study of cultural development, the growth and change of flokways, mores, and institutions in economic, political, religious, familic, educational, intellectual, artistic, and recreational aspects. A thorough survey of the theories of social evolution with special discussion on the concepts of "social change," "social progress," and "social evolution."

Sociology 13-14. Methodology of Sociology. Credits 3-3.
Mr. Huang

A general study of the principles and methods of social investigation. It denotes the appropriate places of such methods as social survey, historical method, case method (including life history method), statistical method, etc., in the whole field of social research. It also includes a review of the major theories and problems of sociological methodology.

Sociology 15-16. Social Problems. Credits 3-3.
Mr. Dsang

A course in apply sociology, dealing with the various social problems and the principles of social planning. Special stress is laid on Chinese social pathology and its source data.

Sociology 17-18. Social Psychology. Credits 3-3.
Mr. Walmsley

An analysis of the psychological foundation of social life with special emphasis on human-nature and its social expression, and on the individual-society relationship.

Sociology 19. Social Survey. Credits 3.
Mr. Dsang

An intensive study of the principles, methods, and techniques of social survey. Training is given in the analysis, organization, and presenting of data. The course also furnishes opportunities for obtaining field-work experience.

Sociology 21. Family. Credits 3.
Mr. Huang

A study of the structure and function of the family, its changes and problems. Special attention is given to the Chinese family.

Sociology 22. Population. Credits 3.
Mr. Huang

This course aims to analyse society from the quantitative and the qualitative aspects of population. It includes a critical study of the theories and policies of population. Special attention is given to the facts and problems of population in China.

Sociology 25. Rural Sociology. Credits 2.
Mr. Huang

A comparative study of rural communities from the strictly sociological point of view, with special emphasis on rural characteristics and on the Chinese rural community.

Sociology 26. Urban Sociology. Credits 3.
Mr. Huang

A complementary course to rural sociology, using the same methods of treatment but emphasizing the ecological approach.

Sociology 27. Contemporary Social Movement. Credits 3.
Mr. Huang

A survey of the various modern social movements in thought and action, and the principles involved. It describes the role played by social movements in the field of social change and their bearings on social trend.

Sociology 29. Anthropology. Credits 3.
Mr. Graham.

A general study of the nature of man and culture. This course is intended to acquaint the students with the anthropological and ethnographical facts, and with the contributions of these sciences to cultural sociology.

Sociology 31-32 The Ideal Society. Credits 2-2.
Mr. Wang.

THE DEPARTMENT OF FINE ARTS.

Anderson, Eleanor Waverly - - Chairman Dip. Music, Melbourne University	Voice, Piano
Agnew, Robert Gordon, B.A., M.Sc. (Dent.), L.D.S., D.D.S. Professor in Medical-Dental Faculty Pupil of Paci, Fischer, Bowles and Carboni.	Voice
Downer, Sara Boddie, M.A. - - Associate Professor in the Physics Department	Organ, Piano
Dsang, Margaret, B.A. - - -	" "
Loh, Lucy, B.A. - - - - Registrar	" " Harmony
Moncrieff, Virginia Merriam - - Supervisor Dip. Battle Creek Conservatory, Pupil of Edward Barnes and Louise Robyn.	Piano, History Teacher Training
Morse, Anna - - - - - Cooper Union Art School, New York Pratt Institute, Brooklyn.	Painting and Designing
Phelps, Margaret Hallenbeck, B.A. - Studied in Berlin, Germany	Voice, Piano
Smalley, Nellie, B.A. - - - - Secretary	Violin
Tang, Beatrice, B.A. - - - -	Organ, Piano
Ward, Annie I., B.A., A.T.C.M. - Toronto Conservatory of Music	Piano
Wilford, Claudia - - - - Teacher's Normal Course, Toronto Conservatory of Music	Organ, Piano

The Department of Fine Arts has as its Aims—

(1) The enrichment of life through the cultivation of the aesthetic sense.

(2) The preparation of students as teachers of music and art in schools, and as leaders of church music.

(3) The bringing to students of a knowledge and appreciation of Western art and music in the hope that they will further study and develop their own Chinese Arts.

Departmental Regulations.

Students entering the Department will be graded according to their knowledge of music. Any student who fails to comply with the regulations for practice, or whose work is not up to standard may be discontinued at the discretion of the staff.

The courses given by the Department of Fine Arts may be elected by students of other departments in Arts or by those of other faculties.

Students not in the College of Arts may not elect more than two music courses in any one year.

Fees.

Special fees are required for all music course. These fees are to be paid in full at the beginning of the fall term when registering with the Registrar of the Department. There will be no refund of fees for courses dropped after the first of November.

Violin:
Regular fee $2 per year for each course. A deposit fee of $15 is required from those using department violins. Of this $10 minus the cost of strings and repairs is returned at the end of the year.

Organ and Piano:
First and second year students $6 per year, other students $5 per year.

Voice:
$2 per year.

COURSES IN THE DEPARTMENT OF FINE ARTS.

Music—Instrumental.

Music 1-2 Preliminary course for beginners No credit

This course or its equivalent will be required of every student wishing to study music in the department. Class one hour per week. Daily practice on organ required.

Music 3-4 Organ I Credits 1½-1½

Technic, solo work, hymn playing, scales.
One class per week. One period daily practice.

Music 5-6 Organ II. Credits 2-2

Individual lessons—Advanced work. One lesson per week.
One period daily practice.

Music 15-16 Piano I. Credits 1½-1½

Solo and duet work, interpretation, scales technic.
One class per week. One period daily practice.

Music 17-18 Piano II. Credits 2-2

Individual lessons—Advanced work.
One lesson per week. One period daily practice.

Music 19-20 Piano III. Credits 3-3

More advanced work. One lesson per week.
Nine periods per week practice.

Music 21-22 Piano IV. Credits 3-3

More advanced work. One lesson per week.
One and a half hours daily practice.

Music 25-26 Violin I. Credits 1½-1½

Instruction in class, two classes per week.
Thirty minutes daily practice.

Music 27-28 Violin II. Credits 2-2

One individual lesson per week. One class lesson. per week. One period daily practice.

Music 39-30 Violin Credits 1-1

Ensemble Class.
One meeting per week.

Music—Vocal

Music 31-32 First Year. Credits 1-1

This course includes a study of the anatomy and physiology of the vocal organs and the science of voice production.

Music 33-34. Second Year Credits 1½-1½

More advanced work, including solo singing and interpretation.
One lesson weekly.
One half-hour daily practice required.
More advanced work will be provided as students qualify.

Music 35-36 Third Year. Credits 2-2

Advanced work
One individual lesson weekly
One half-hour daily practice required

Music—Choral.

Music 41-42. Choral Society. Credits ½-½

Membership in the University Choral Society is open to men and women who pass the required voice test, and

who have taken or are taking concurrently work in one of the other divisions of music.

Class work: one hour weekly.
20 minutes daily practice required.

To those students on whose courses a credit in music is not applicable a certificate will be issued covering the period of musical instruction which has been taken.

Music.—Theory.

Music 45-46. History of Music Credits 1-1

A general survey of the growth of Western music, including brief biographies of outstanding masters.
Lectures: one hour a week throughout the year.

Hymnology, Hymn playing and
Music 47 Church Music. Credits 2

Lectures: one hour a week for one term.
One half-hour daily pratice.

Music 49-50. Harmony I. Credits 1-1

Rudiments of chord building, progression, cadences, etc. Lectures: one hour a week throughout the year.

Music 51-52. Harmony II. Credits 1-1

For advanced students. Includes the study of the forms of composition.
Lectures: one hour a week throughout the year.

Music.—Normal Training.

Music 61-62. Normal Training Class, Instrumental. Credits 2-3

Methods and materials for teaching the earlier years of music. Observation of classes of child, and adult beginners. Students are required to keep notebooks of the courses of study, make lesson plans and report

observations. During the second term they will teach under supervision. Given in English.

Lectures first term one hour a week second term two hours a week, including practice teaching.

Music 63 64. Class Singing for Primary Schools. Credits 1

This course will include ear training rhythm training, notation, with methods of teaching group singing. There will be opportunity for practice teaching under supervision.

Lectures: one hour a week for one term.

Art.

Art 1 2. Freehand Drawing, Composition, Perspective. Credits 1-

Still life, flowers, landscape.
Medium: pencil and water color.
Class work four hours a week throughout the year.

COLLEGE OF SCIENCE.

Faculty.

Dye, Daniel Sheets, B.S., M.A.	Dean of Science.
Meuser, Edwin N., Phm. B., Ph. M., Phar. D.	Treasurer of the Faculty.
Chang, Hsiao Li, M.A.	Secretary of the Faculty.
Agnew, (Mrs.) Mary Caldwell, M.A.	Lecturer (Gen. Sc.).
Chang, Hsiao-Li, M.A.	Associate Professor; Head of Dept. of Mathematics.
Chang, Ming-chuin. M.Sc.	Associate Professor; Head of Dept. of Biology.
Collier, H. Bruce, M.A., Ph.D.	Associate Professor, Biochemistry Head; of Dept. of Chemistry.
Crawford, W., M.D., C.M., D.P.H.	Associate Professor (Ph).
Dickinson, Frank, B.A., M.Sc.	Professor (B).
Downer, Sara Boddie, M.A.	Associate Professor (P.M).
Dseo, Yuen-wen, B. S.	Instructor (P).
Dye, Daniel Sheets, B. S., M.A.	Professor; Head of Dept. of Physics.
Dye, (Mrs.) Jane Balderston, M.A.	Associate Professor (M).
Fung, Da-ran, B.S.	Associate Professor (Ph).
Foster, B.L., B.A.	Assistant Professor (Ph).
Gi, Gam-chen, Ph. G.	Lecturer (Ph).
*Hibbard, E., B.A., B.D.	Lecturer (Ph.)
*Ho, Wen-chuin, M.Sc.	Associate Professor (B).
Hwang Mien, B.S., B.Sc.	Assistant, Professor (B).
Kao, Yoh-lin, M.So.	Assistant Professor (C).
*Kilborn, Leslie Gifford, M.A., M.D., Ph. D.	Professor (Ph).

*Kilborn, (Mrs.) Janet McClure, M. D.	Assistant Professor (B).
*Lan, Tien-ho, B.S.	Instructor (C).
Lenox, John E., B.A., M.D.	Assistant Professor (Ph).
Li, Min-liang, B.A., B.Sc.	Assistant Professor (B).
Li, Hsin-lung, B.S.	Instructor (Ph).
Meuser, Edwin N., Phm. B., Ph. M., Phar. D.	Professor; Head of Dept. of Pharmacy.
Pen, D.F., B.S.	Instructor (Ph).
Pen, Da-si, B.S.	Instructor (B).
*Pen, Yin-hwa, B. S.	Instructor (B).
Sewell, William Gawan, M.Sc.	Associate Professor (C).
Sewell, (Mrs.) Hilda Guy, B.Sc.	Lecturer (B).
Shih, Ru-tsong.	Lecturer (C).
Spooner, Roy C., M.A.	Instructor (C).
Wang, Ti-ren, B. S.	Instructor (P).
Wu, Kueh-chang, B.S., M.A.	Instructor (P,M).
Yang, H.S., B. S.	Instructor (Ph).

Regulations.

(1) The work of the College of Science is organized under six departments; Biology, Chemistry, Physics, Mathematics, Pharmacy and Agriculture.

(2) In addition to offering all students of the University a general knowledge of the physical and natural sciences, the College provides for a certain specialization in each of the departments, and prepares students for the study of Medicine and Dentistry according to the government regulations for medical students.

(3) Those students desiring to register in the College of Science must obtain an average grade of 66% in entrance examinations in science subjects.

(4) Those students electing to enter any particular Department must obtain an average of 75% in the subject offered by that Department during the first year.

(5) Any student failing in English in the first year cannot be advanced in standing.

(6) No student is permitted to take an examination or supplementary examination until he has finished his laboratory work.

(7) No student whose marks are below 40% in the regular examination is permitted to take a supplementary examination.

(8) A failure in two of the major subjects disqualifies a student for promotion.

(9) No student may repeat any year of study more than once.

(10) Any student who discontinues study for more than one year must take entrance examinations to re-enter the College of Science.

(11) No student in Scienece is allowed to transfer from one Department to another after three weeks from the opening of the term.

(12) Students taking Chemistry must pay a laboratory fee of $2.00,

(13) Students taking courses in Biology, Chemistry, Physics and Pharmacy must pay to the bursar a deposit of $5.00 which is returnable in case nothing has been broken. However, in case, breakage exceeds this amount, the students will be assessed and grades cannot be sent to the registrar until this has been paid.

(14) In the Department of Chemistry, a locker key deposit of $1.00 must be paid where department keys are used by the student.

Science Courses: Students in Science may elect to study in one of the five departments. The course for the first year is the same for all students in the several departments of Science. The student should decide which department he or she elects before the beginning of the second year. All students in Science during the first year attend the General Science 3-4 *Science Lectures*. These are designed to help the student in deciding upon a department of study. The

mimimum requirement for graduation is a total of 152 credits, exclusive of Physical Training.

The curricula as outlined below are subject to addition, deletion, or other alteration at any time and without advance notice, at the discretion of the Faculty.

Such special regulations as may be made from time to time, will be duly announced.

The degree of B. S., Bachelor of Science, will be given upon the satisfactory completion of the prescribed course pursued and an accepted thesis.

Common Course: The Common Course for all first year students in Science is outlined here, and it is not repeated under the outline of courses.

First Year Course for all Science Students:

		Chinese	2		3
		Ethics	2		4
Eng.	3-4	Englisch	6		8
Biol.	1-2	Biological Principles	2	6	8
Chem.	1-2	Inorganic Chemistry	2	6	8
Math.	1-2	Mathematics	4		6
Physical	12	General Physics	3	3	8
		Physical Training			
			20	15	45

Time Table for Common First Year in Science.

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-9	Biol. 1-2	Phys. 1-2		Phys. 1.2	Biol 1-2 or 3-4	Phys. 1-2
9-10	Chem. 1-2	Chinese	Ethics	Chinese	Math. 1-2	Ethics.
10-11		Math. 1-2 or 3-4		Math. 1-2 or 3-4	Chem. 1-2	Math. 1-2 or 3-4
11-12	English	English	English	English	English	English
1-4	Biol. (A) Chem. (B)	Biol. (B) Chem. (A)	Phys. (A) Chem (B)	Biol (A-B)	Phys. (B) Chem. (A)	

Department of Biology.

I. *Teaching Staff.*

Chang, Ming-chuin, M.Sc. Head of the Department.
Dickinson, Frank, M.Sc.
*Ho, Wen-chuin, M.Sc.
Hwang, Mien, B.S., B.Sc.
Li, Ming-liang, B.A., B.Sc.
Pen, Da-si, B.S.
Pen, Yin-hwa, B.S,
Sewell, (Mrs.) Hilda Guy, B.Sc.

II. *Courses.*

First Year: Common Year. Credits 45.
Second Year.

Biology 6	General Botany	4
Biology 17	Invertebrate Zoology	4-
Chemistry 3-4	Organic Chemistry	4-3
Gen. Sc. 7	Geology	3-
Gen. Sc. 8	Paleontology	2
Gen. Sc. 1-2	Orlentation Course	1-1
	Chinese	2-2
	Ethics	1-1
	Selected with head of Department	13
	Total credits	41

Third and Fourth Years:

The courses under groups A and C are required for students who major in Betany. Groups B and C are required for students who major in Zoology. The courses under groups A and D are required for students who register in Biology but who choose to major in Agricultural subjects. Students of other departments who minor in Biology are required to take thirty-two credits from the following groups:

A Group.

Biology 10	Plant Morphology,	5
Biology 11	Systematic Botany,	5-
Biology 14	Plant Physiology,	5
Biology 12	Plant Ecology,	3

B Group.

Biology 19-20	Comparative Vertebrate Anatomy	2-2
Biology 21-22	Animal Histology	4-4
Biology 23-24	Animal Physiology	6-4
Biology 25	Systematic Zoology	4

C Group.

Biology 26	Embryology	3
Biology 27	Entomology	4
Biology 29	Genetics	3
Biology 33-34	Biological Technique	1-1
Biology 35-36	History of Biology	1-1
Biology 37-38	Journal Club	1-1
Biology 39-40	Research and Thesis	2-2

D Group.

Biology 29	Genetics	3
Biology 29	Genetics (Principles of Breeding)	3
Biology 26	Entomology	4
Biology 16	Plant Pathology	5
Biology 37-38	Journal Club	1-1
Biology 39-40	Research and Thesis	2-2
Agriculture	Field Practice	2-2

(Advanced Biological or Agricultural Courses to be selected with the Head of the Department.)

III Description of Courses.

Biology 1-2. General Biology.

A course planned to train the students in powers of observation and in scientific method. Emphasis is placed on laboratory work, and on practical application to everyday life wherever possible. It develops the fundamental principles of living organisms, their movements, organic structure and functions in plants and animals. Principles of genetics and evolution are discussed. The course is particularly adapted to students in medicine, dentistry and other science courses.

Text: Biological Principles, M. C. Chang; Foundations of Biology, Woodruff;

2 hrs. lecture, 6 hrs. lab. Credits 4-4

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Biology 3-4. Human Biology.

An introduction to biology for students in Arts, Sociology, Education, etc. Emphasizes economic relations of plants and animals to man, the origin and development of man, effect of population, alteration of environment by evolving processes of civilization.

Text: Human Biology and Racial Welfare, E. V. Cowdry. Educational Biology, Johnson.
2 hrs. lecture, 2 hrs. lab. Credits 3-3

Biology 6. General Botany.

A study of structure and functions of the various parts of lower and seed plants. Deals with physiological processes in living plants. The life-cycle and classification will be discussed.

Text: College Botany, H. H. Hu; Text-book of Botany, Smith; Textbook of Botany, Coulter, Barnes and Cowles.

A Text-book of Botany, Lowson; General Botany, Holman and Robbins.
2 hrs. lecture, 6 hrs. lab.

Biology 8. General Bacteriology.

Planned to give the fundamental facts concerning those bacteria which play a part in our daily life. The course includes a study of the history, and development of bacteriology, classification, and cultivation of bacteria. Pathogenic organisms are described in detail with emphasis on culture and stain methods.

Reference Books: Household Bacteriology, Buchanan; Practical Bacteriology, Chiang Po Mon.

Pre-requisite: Biology 1 2.

2 hrs. lecture, 4 hrs. lab.

Biology 10. Plant Morphology.

A study of the structure and functions of various cells and tissues in plants, with practical work in dissecting, fixing, staining, drawing.

Pre-requisitec: Biology 6.

Reference Books:

1. Text-book of Botany; Coulter, Barnes and Cowles.
2. Structural Botany; Scott;
3. Baitish Freshwater Algae, West and Fritsch;
4. The Structure and Development of the Fungi; Gwyune-Vaughan and Barnes:
5. Mosses and Ferns, Campbell.

2 hrs. lecture, 6 hrs lab. Credits 5

Biology 11. Systematic Botany.

An advanced course in the study of the fundamental classification, with emphasis on the seed plants of West China. Use will be made of the University herbarium of Szechuan plants.

Pre-requisite: Biology 10.

Reference Books:

1. J. C. Liu, The Flowering Plants of North China;
2. Families of Flowering Plants, Dicotyledon, Hutchinson.
3. Manual of Cultivated Plants Bailey.
4. Manual of Cultivated Trees and Shrubs.
5. Taxonomy of the Flowering Plants, Johnson.

2 hrs. lecture, 6 hrs. lab. Credits 5

Biology 12. Plant Ecology.

An advanced course in the study of the structure, habitat and the environmental effects of the plants. Emphasis is placed on the succession, formation of plant association and the geographical distribution of the plants.

Text: Plant Ecology, Weaver.

Prerequisite: Biology 10, 11, 14.

2 hrs. lecture, 2 hrs. lab. Credits 3

Biology 13. Fungi.

This course deals with the structure, development, evolution and the identification of the true fungi, with emphasis on the collection and cultivation of the fungi in laboratory work.

Text: Genera of Fungi, Clements and Clements:
The Structure and Development of the Fungi,
Gwynnevaugan and Barnes.
Manual of Plant Diseases, Heald.

Pre-requisite: Biology 10.

2 hrs. lecture, 4 hrs. lab. Credits 4

Biology 14. Plant Physiology.

An advanced course in the use and function of plant organs with emphasis on transpiration, photosynthesis, respiration, tropisms, and translocation of food. It deals with the structures of higher plants which enable them to fit into their environment, and their processes of food assimilation.

Text: Textbook of Botany, Coulter, Branes and Cowles; Principles of Plant Physiology, Raber: Textbook of Plant Physiology, MacDougal; Plant Physiology, Duggar. (not given in 1934).

Pre-requisite: Biology 10.

3 hrs. lecture. 6 hrs. lab. Credits 5

Biology 15. Economic Plants.

In this course, it is the aim to familiarize the student with the special characteristics and classification of Szechuan plants with a view towards their culture and usefulness in the province. The laboratory material used in the course consists of local plant specimens of grain crops, fruit, nuts, medicinal timber, together, with plants, shrubs flowers and trees used for landscape art.

Text: Botany of Crop Plants, Robbins.

Prerequisite: Biology 6.

2 hrs. lecture, 4 hrs. lab. Credits 4

Biology 16. Plant Pathology,

Planned to give one of the practical applications of science to living conditions, with special reference to agriculture. The ccurse includes a technical study of the plant fungi from Schizomycetes to Basiomycetes, but lays particular emphasis on the plant diseases of economic crops and fruit treess. Methods of Control are discussed and collections on common plant diseases are made by the

students. Laboratory work includes study of the microscopic structure of the host as well as of the parasitic tissue. This course is valuable to all students who plan to work with farm people. Simpler methods of control can be taught to middle and primary school students.

Text: Plant Diseases, Dugger; Fungi, Stevens; Minnesota Plant Diseases, Freeman.
Principles of Plant Pathology, Owens.

Prerequisite: Biology 10.

3 hrs. lecture, 4 hrs. lab. Credits 5

Biology 17. Invertebrate Zoology.

This course follows the types from simple to complex in their taxonomic grouping, and includes a study of comparative structure of invertebrate animals, with emphasis upon evolutionary relationships.

Text: College Zoology, Hegner; Lectures follow Dr. Wu's course in Yen Ching University.

Prerequisite: Biology 1-2

2 hrs. lecture, 4 hrs. lab. Credits 4

Biology 19 or 20. Comparative Vertebrate Anatomy.

A study of the comparative anatomy of vertebrates. Emphasis is placed upon those features in mammals which throw light upon relationships.

Text: Comparative Anatomy of the Vertebrates, Kingsley; Biology of Vertebrates, Walter; A Laboratory Manual for Comparative Vertebrate Anatomy, Hymen; the Vertebrate Skeleton, Reynolds.

Prerequisite: Biology 1-2

2 hrs lecture, 6 hrs. lab. Credits 4

Biology 21-22. Animal Histology.

A study of the cells, tissues and typical organs in the higher animals and in man. Largely a laboratory course with prepared slides. The course includes instruction in methods of fixing, sectioning, and staining.

Text: The Textbook of Histology, Lewis, translation by Shields.

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Reference—Textbook of Histology, Maximow, Bloom.

Prerequisite: Biology 1-2, 6, 17 or 19.

2 hrs. lecture, 4 hrs. lab. Credits 4-4

Biology 23-24. Animal Physiology.

A study of general physiology in animal and in man. The course includes the functions of circulation. respiration the mechanical factors of digestion, secretion, metabolism, endocrine organs, the physiology of neuro-muscular tissue and of reproduction. This is designed to familiarize the student with experiments and principles in physiology.

Text: Handbook of Physiology, Halliburton, Chinese Edition.) Laboratory Experiments in Physiology, Evans and Kilborn.

Prerequisite: Biology 21-22.

3 hrs. lecture, 6 hrs. lab. Credits 6 12

Biology 25. Systematic Zoology.

In this course, it is the aim to familiarize the students with the phylogeny, special characteristics and classification of the different phyla of both invertebrate and vertebrate animals.

Reference books: Freshwater Biology, Ward and Whipple; Vertebrate Zoology, Newman; Text-book of Zoology, Parker and Haswell.

Prerequisite: Biology 17, 19, 27.

2 hrs. lecture, 6 hrs. lab. Credits 5

Biology 2C. Embryology,

A study of general and experimental embryology dealing with maturation, fertilization, cleavage, germ layers and organ formation. Practical work includes careful study of transverse and saggital sections of the embryos of the amphioxus, fish, frog, chick and pig.

Text: Vertebrate Embryology, Shumway; A Text-book and Laboratory Manual of Embryology, Arey.

Prerequisite: Biology 21-22.

2 hrs. lecture, 2 hrs. lab. Credits 3

Biology 27. Entomology.

A study of the morphological characters of insects of the different orders, with empasis on evolutionary relationships, life history, economic importance and methods of control. This course is planned for students majoring in Biology, as well as for those desiring to do further work along agriculture lines.

Text: Introduction of Entomology, Comstock; Textbook of Entomology, Imms.

Prerequisite: Biology 17.

1 hrs. lecture, 6 hrs. lab. Credits 4

Biology 28. Economic Entomology.

This course is of a very practical nature and is confined to a careful study of the principal injurious insects, with reference to their life-histories, identification and means of control. It is specially planned for students who desire to major in biology and agriculture.

Prerequisite: Biology 27.

Reference books.

1. Applied Entomology, Fernald;
2. Destructive and Useful Insects, Macalf.

1 hrs. lecture, 2 hrs. lab. Credits 2-2

Biology 29. Genetics.

A introduction to the laws of heredity. The lectures follow the development of present day knowledge of genetics. The physical basis of inheritance, example of types of inheritance, principles of biometry, and methods of handing biological data will be studied. Laboratory work will deal with Medelian characters in corn and fruit flies, and will involve experiments in breeding on the part of the student. This course is required of students majoring in biology, but it may be elected by others.

Text: Genetics and Eugenics, Castle; Genetics in relation to Agriculture, Babcock and Claussen; Genetics, Walfer.

Prerequisite: Biology 1-2.

2 hrs. lecture, 3 hrs. lab. Credits 3

Biology 29b. Genetics (Principles of Breeding).

This course is a continuation of Biology 29, and is especially prepared for students of agriculture. This course considers important principles and modern methods of breeding, origins of variations, selection and technique in developing pure strains as well as of hybrids. Emphasis is placed upon laboratory and field work.

2 hrs. lecture, 3 hrs. lab. Credits 3

Biology 30, Parasitology.

A study of the structure, characteristics, life-history, habitat and taxonomy of the parasitic animals. Emphasis is placed on their relation to the diseases and economic importance, with special reference to the parasites of man.

Text: Animal Parasites and Human Disease, Chandler; The Animal Parasites of Man, Fantham.

Prerequisite: Biology 17, 19, 27.

2 hrs. lecture, 4 hrs. lab. Credits 4.

Biology 32. Protozoology.

This course includes the study of the morphology, physiology and classification of the different orders in protozoa, with emphasis on the economic questions.

Text: An Introduction to the Study of Protozoa, Minchin; Biology of the Protozoa.

Prerequisite: Biology 17.

Text: Calkins, Biology of the Protozoology; An Introduction to the Study of Protozoa, Minchin.

2 hrs. lecture and discuss. 2 hrs. lab. Credits 3

Biology 33-34. Biological Technique.

This course is planned for those specializing in Biology, or for those desirous of a technical knowledge in preparation of specimens for teaching purposes. Practical work in collecting, mounting and preserving of specimens will be done. Different types of microtomes and other machines will be used. Fixing, sectioning, and staining of plant and animal tissues will be done. Methods for making models, reconstructions, drawings, and cultures are included in this course.

References: Plant Histology, Chamberlain; Animal Micrology, Guyer.

1 hr. lecture 3 hrs. lab. Credits 2-2.

Biology 37-38. Journal Club.

In this course faculty and students report on articles in current biology journals.

Prerequisite: Two years' study of biology.

1 hrs. reports.

Biology 39-40. Research and Thesis.

Every student majoring in Biology is expected to demonstrate his ability to work out some simple problem under the supervision of one of the professors in the department.

Prerequisite: Two years' study of biology.

6 hrs. lab. equivalent. Credits 2-2

AGRICULTURE.

For some years various subjects in Agriculture have been given under different Faculties and chosen by the students as options. Below is listed a two year course in Agriculture which the student may select and on the completion of these two years he may elect either to continue the study of Agriculture in some other university or may register in the department of Biology and choose various agricultural subjects as options.

First Year.

Inorganic Chemistry	8 credits
Analytical Geometry	3 "
General Mathmatics	3 "
General Biology	8 "
Chinese Language	3 "
English	12 "
Rural Sociology	2 "
Agricultural Economics	2 "
Field Crops	3 "

SECOND YEAR.

Botany	4 credits
General Physics	8 "
Sericulture	3 "
Entomology	4 "
Horticulture	3 "
Plant Physiology	5 "
English	6 "
Organic Chemistry	7 "
Animal Husbandy	3 "
Soils	3 "

AGRICULTURE SECTION.

For several years, various subjects in Agriculture have been offered under the different Faculties and chosen by students as options. There has been a growing demand during the last decade for further additions of agricultural subjects, and, with the national demand for Rural Reconstruction, the inauguration of the Peoples Economic Reconstruction Movement, it is believed, that the new interests fundamental needs, experiences, and surroundings should all be considered in planning the agricultural teaching program of the University.

As a progressive step, in an effort to meet the changing social conditions, and the known needs of the students in the several faculties, there is listed below, a two year course in Agriculture, upon the completion of these two years, the student may elect, either to continue the study of Agriculture in some other University, or he (or she) may register in the department of Biology and choose agricultural courses as major options.

In addition, orientation courses and informational courses in agriculture and closely allied subjects are offered to students who wish to become acquainted with certain definite branches knowledge and field practises.

Special coursee are offered to both young men and women, who plan, upon completing their University work to enter the teaching profession with a view to teaching Vocational Agriculture in the Middle Schools of the Province.

Students who contemplate entering the field now open for Agricultural Extension and Rural Leadership will be given special consideration and assistance with the practical problems of country life.

AGRICULTURE

First year: Common Year Credits 45.

Second Year;

Agr:	7-8	General Agriculture	2-2
Agr:	3	Agricultural Economics	2
Agr:	15-16	General Horticulture	2-2
Agr:	11	General Forestry	3
Agr:	26	Sericulture	-3
Biology	26	Entomology	4
Chemistry	3-4	Inorganic Chemistry	4-3
		English	3-3
*General Science	7-8	Geology	3-3
Biology	6	Botany	-4
Biology	25	Zoology	4
		Total credits	43

*Geology 7-8 will be taught 1935-36 and in alternate years.

DESCRIPTION OF COURSES IN AGRICULTURE.

Agr: 1-2 Rural Sociology.

This is a Problem course dealing with the actual social and living conditions of the people in Szechuan. Emphasis is laid on studies and surveys of village and open country conditions. The course is based on the thesis that the agricultural village occupies a central place in the life of rural China, and the rural conditions cannot be understood without a thorough understanding both of the relationships and of the differences between village and open country life.

Credits 2-2.

Text. K. T. Yang. Rural Sociology. (Chinese)

Reference. K. Dee. A Study of Chinese Rural Problems.

Agr: 3 Agricultural Economics.

A study of the principles as well as the problems in the field of agricultural economics, with special emphasis on the economic factors under-lying present-day conditions in rural communities in China and other countries.

Credits 2, Fall term.

Text. C. Y. Tang. Agricultural Economics. (Chinese)

Agr: 5 Co-operatives.

A study will be made of the history, growth and organization of co-operatives in other countries, and from survey material gathered in Szechuan, principles will be worked out showing how co-operatives can be applied to the present agricultural needs in Szechuan.

Text. Charles Gide. La Co-operation (Chinese)

Reference. C. Y. Chang. The Farmer's Economic Co-operation Movement in China.

Agr: 7-8 General Agriculture.

The purpose of this course is to present such knowledge of sound principles and correct practises essential in the proper selection, organization, equipment and operation of Chinese farm--as business enterprises.

Credits 2-2

Agr: 10 Farm Products in China.

A comprehensive study will be made of the farm products of the different provinces in China. Statistics of exports and imports will be presented—together with the statistics of the Farm Products of the receiving and sending countries, and these will be used as a basis for making constructive improvements.

Credit. Spring 2.

Agr: 11 General Forestry.

The specific purpose of this course is to offer the fundamental principles that control success and failure in the economic production of nursery stock and the artificial regeneration of forests—with special application to the present needs in Szechuan.

Text. B. F. Kao. General Forestry. (Chinese)

References. Y. Chen. Forestry. (Chinese)

James W. Toumy. Seeding and Planting in the Practice of Foresity. (English)

Credit Fall 3.

Agr: 13 Soils.

A course dealing with the formation, characteristics, changes, and classification of soils, and their relation to crop production.

Text and notes. T. L. Lyon & H. O. Buckman. The Nature and Properties of Soils.

Credit Fall 3.

Agr: 14 Fertilizers.

A study of the organic and inorganic properties of fertilizers, their nature, quality value and composition, together with methods of application with special emphasis on present day methods used by farmers in Szechuan.

Text. F. E. Bear. Theory and Practise in the Use of Fertilizers.

Credit. Spring 3.

Agr: 15-16 Horticulture.

This course deals with the propagation of fruit trees, methods of pruning, care and management, control of insects and diseases and the cultural requirements for the commercial fruits of Szechuan. The introduction of fruit and nuts trees from other countries for propagation, as well as the discovery of outstanding fruits in the province will be emphasized.

Credit. 2-2.

Text. Gourley. The Text Book of Pomology.

Agr: 17 Semi-Tropical Fruits.

The history, distribution, botany, and climatic requirements of several varieties of SEMI-TROPICAL fruit trees will be studied, with a view towards the wider adoption of these varieties for commercial purposes in Szechuan.

Credit. Fall 3.

Notes in English and Agricultural Experiment Station bulletins will form the basis of discussion.

(This course will be offered in the fall 1935)

Agr: 19 Insect control.

This course will be divided into the following study; —(a) Injurious insects, their (b) description, construction and habits; (c) Methods of control—biological, spraying, rotation of crops, etc., Special emphasis will be placed on the preparation and application of insecticides.

Credit. Fall 3.

Text. K. M. Smith. Agricultural Entomology.

Agr: 20 Field Crops.

A general study of the principles of crop cultivation, together with the economic importance, characteristics, culture, harvesting and selection of Szechuan crops.

Credit. Spring 3.

Text. T. B. Hutcheson & T. K. Wolfe. The Production of Field crops.

Agr: 21-25 Animal Husbandry.

The aim of this course is to give students a knowledge of the characteristics, breeding, feeding, care and management, as well as the marketing of the domestic animals commonly raised for profit in Szechuan, pigs, cattle, goats, poultry and rabbits. A comprehensive study of the fundamental principles underlying animal husbandry as these apply to one of the domestic animals during will be made each term.

Credit. 3.

Agr: 26 Sericulture.

This course deals with the principles of growing and grafting mulberry trees, as well as breeding and rearing of silkworms, and Pasteur's method of egg production and the study of silkworm diseases.

Credit. Spring 3.

Text. D. Y. Yuin. Sericulture

Students taking their major in agriculture will be expected during their course, to devote at least two weeks in the winter vacation and three weeks during the summer vacation to the practise of pruning, and particularly to grafting of fruit trees and other practicums which can only be done at these seasons of the year.

Students of Dairy Industry—under Animal Husbandry, will be expected to put in at least one month during the summer either at the completion of the second or third year of study, in the feeding, care, and management of the dairy herd, and in the manufacture of ice-cream, butter and cheese, and Babcock tests.

Note. Dr. Alice Brethorst Prizes.

Two prizes of Fifteen and Ten dollars respectively will be awarded to the students of Rural Sociology and Agricultural Economic for the best survey of agricultural or village conditions in China.

(The surveys must be handed in to the University not later than May 31st.)

DEPARTMENT OF CHEMISTRY.

I. Teaching Staff:

Collier, H. Bruce, M.A., Ph.D. *Head of Department.*
Kao, Yoh-lin, M.S.
*Lan, Tien-ho, B.S.
Sewell, William G., M.S.C., A.I.C.
Shih, Ru-tsong.
Spooner, M.A.

II. Courses.

First Year: Common Year. Credits, 45.

Second Year:

Chem.	3-4	Organic Chemistry.	7
"	5-6	Qualitative Chemistry.	6
"	9-10	Elementary Physical Chemistry.	7
"	21-22	Mathematics for Chemistry Students.	2
"	27-28	Chemical English (a).	2
Phys.	7	Mechanics and Heat.	6
		Chinese.	2
		Ethics.	4
Gen. Sc.	1-2	Orientation Course, Physical Training	2

Third Year:

Chem. 7-8	Quantitative Analysis.	6
Biochem. 1	Elementary Biochemistry.	10
Chem. 27-28	Chemical English (b).	2

Third or Fourth Year:

Chem. 11-12	Advanced Organic Chemistry.	8
" 15-16	Advanced Physical Chemistry.	4
" 17	Electrochemistry.	3-½
" 18	Engineering Chemistry.	2
" 19-20	Applied Chemistry.	10
" 23	History of Chemistry.	2
Gen. Sc. 7-8	Geology.	6
	English.	6
	Chinese.	4
	Ethics.	4

Fourth Year:

Chem. 25-26	Journal Club.
" 27-28	Chemical English (b)
" 29-30	Research and Graduate Thesis

III. Description of Courses in Chemistry.

Chem. 1-2. Inorganic Chemistry. A course in general inorganic chemistry, emphasing chemical laws and theories. Laboratory work includes preparation and study of typical substances, with simple problems in qualitative and quantitative analysis.

Text: Modern Inorganic Chemistry, Tsao and Adolph.

Laboratory Manual of Chemistry, Stubbs.

2 hours lectures, 6 hours lab. Credits 5-5

Chem. 3-4. Organic Chemistry. A study of the typical reactions, properties and symethesis of organic compounds, both aliphatic and aromatic. Laboratory work includes the preparation and study of important organic compounds.

Prerequisite: Chem. 1,2.

Text: Elementary Organic Chemistry, Stubbs.

2 hours lectures, 3 hours lab. Credits 3½-3½

Chem. 5-6. Qualitative analysis. A laboratory course in the analysis of inorganic compounds, and identification of ions present in solution, together with a study of the reactions involved. This course includes blowpipe analysis.

Text: Qualitative Analysis, Noyes.

6 Hours lab. Credits 3-3

(Pharmacy students: 3 hours lab; Credits 1½-1½.)

Chem. 7-8. Quantitative analysis. A laboratory course in the principal methods of volumetric, gravimetric and potientimetric analysis.

Text: Textbook of Quantitative Analysis, Hall.

6 hours lab. Credits 3-3

Chem. 9-10. Elementary Physical Chemistry. A course covering the fundamentals of physical chemistry, the lectures being accompanied by suitable laboratory work.

Prerequisite. Chem. 1,2; 3,4, Math. 3,4.

Text: Second Year College Chemistry, Chapin.

Exercises in Second Year Chemistry, Chapin.

2 hours, 3 hours lab. Credits 3½-3½

Chem. 11-12. Advanced Organic Chemistry. Lectures in advanced organic theory. and special organic reactions. Laboratory course: Qualitative and quantitative organic analysis, organic syntheses.

Texts: Advanced Organic Chemistry, Cohen. Preparation and Analysis of Organic Compounds, Coleman and Arnall. A Handbook of Organic Analysis, Clarke,
2 hours lectures, 4 hours lab. Credits 1-4

Chem. 15-16. Advanced Physical Chemistry. A lecture course in advanced theoretical chemistry, including thermodynamics atomic structure, photochemistry, colloids.

Text: "Outlines of Theoretical Chemistry, Getman and Daniels.

Reference: Treatise of Physical Chemistry, Taylor.
2 hours lectures. Credits 2-2

Chem. 17. Electrochemistry. The principles of electrochemistry and their chief industrial applications.

Text: Outline of Theoretical Chemistry, Gietman; Electrochemistry; Brockman. Applied Electrochemistry, Allmond.

Prerequisite: Chem. 9,10

2 hours lecture, 3 hours lab. Credits 3½

Chem. 18. Engineering Chemistry. Dealing with the general processes used in chemical industry such as crushing, grinding, filtration, evaporation, drying, distillation, etc. Practical problems and calculations will be discussed and solved by the students

2 hours lectures. Credits 2.

Chem. 19-20. Applied Chemistry. A theoretical and practical course of industrial chemistry, particularly of those processes which are applicable to Szechwan.

Text: Industrial Chemistry, Rogers.

Prerequisite: Chem. 1,2; 3,4; 9,10.

2 hours lectures. 6 hours lab. Credits 5-5.

Chem. 21-22. Mathematics for Chemistry Students. A special course in Theory of Measurements and Applied Mathematics; special stress to be laid upon applications to chemical problems. The lectures will be subordinated to work to be done by the students.

Texts: The Theory of Measurements, Tuttle and Satterly; Mathematical Preparation for Physical Chemistry, Daniels.

Chemical Calculation, Long Anderson.

1 nour lecture with assignments. Credits 1-1.

Chem. 23. History of Chemistry. History of developments in chemical theory and discovery, with special relation to the advance of civilisation.

Text: History of Chemistry, Moore; Crucibles, Jaffe.

2 hours lecture. Credits 2.

Chem. 25-26. Journal Club: Papers on current topics are presented weekly by staff and students, followed by discussion.

1 hour per week. Credits, 1-1.

Chem. 27-28. Chemical English:

(a) Understanding and use of common technical terms.

1 hour per week for II year students. Credits, 1-1.

(b) Selected readings in Chemical English. Stressing ability to read and translate into Chinese.

1 hour per week, for III and IV year students. Credits, 1-1.

Chem. 29-30. Research and Thesis: Every student graduating in this department is required to present a thesis. This must be based upon original investigation in some branch of Chemistry, upon a a problem to be assigned by the staff of the department.

DEPARTMENT OF MATHEMATICS.

I. Teaching Staff:

Chang, Hsiao-li, M.A. *Head of Department.*
Downer, Sara Boddie, B.S., M.A.
Dye, (Mrs.) Jane Balderston, M.A.
Wu, Kueh-chang, B.S., M.A.

Note: Candidates for admission to this department must have a high standing in First Year Mathematics. A student with a grade of less than 90% in M1-2, or 75%M3-4 is advised against seeking admission to this Department.

II. Courses.

First Year: Common year. Credits, 45.

Second Year:

Math. 5-6	Advanced Calculus.	6
Math. 21-22	Algebra and Theory of Equations.	6
Math. 41-42	College Geometry.	6
Math. 61-62	Arithmetic.	2
Math. 83-84	Surveying and Spherical Trigonometry.	5
Math. 105-106	Mathematical English.	6
	Ethics,	2
	Electives in Physics, Chemistry Economics or Education.	7
Gen. Sc. 1-2	Orientation Course.	2
		42

Third Year:

Math. 7-8	Theory of Functions of a Real Variable.	6
Math. 11-12	Differential Equations.	6
Math. 43-44	Analytic Geometry of Three. Dimensions.	6
Math. 85-86	Vector Analysis.	6
Math. 101-102	Teaching of Mathematics.	3
Math. 94-63	Elements of Life Annuities and Life Assurance.	2
Math. 81-82	Astronomy.	4
	Electives in Physics, Economics or Education.	7
		40

Fourth Year: Credits.

Math. 9-10	Theory of Functions.	6
Math. 87-88	Theoretical Mechanics.	6
Math. 45 46	Modern Projective Geometry.	6
Math. 47-48	Differential Geometry.	4
Math. 103-104	History of Mathematics.	4
Math. 23-24	Modern Algebra.	4
		30

Select one of the following:

Math. 67-68	Theory of Probability.	4
Math. 49-50	Higher Plane Curves.	4
Math. 25-26	Theory of Groups.	4
Math. 51-52	Quaternians.	4
Math. 27-28	The Invariant Theory.	4
Math. 13-14	Advanced Differential Equations.	6
Math. 65-66	Elements of Statistical Theory.	4
	Physics 19-20. Precise Measurements.	4
	Physics 8. Sound.	3
	Logic.	6

Note: The following course will be offered each year:

Math. 1-2. Math. 3-4, and Math. 83-84.

The following courses are offered on alternate years:

M5-6 or M11-12; M21-22 or M23 24; M45-46 or M105-106; M61-62 or M63-64; M101-102 or 103-104; M7-8 or M9-10; M51-42 M45-46; M47-48 or M13-14; M85-86 or M87-88.

The other courses in Mathematics will be taught when there are suffient students who apply.

III. Description of Courses.

(Math. 1.20: Courses in Mathematical Analysis.)

Math. 1-2. General Mathematics: This course is designed to give practice in general mathematics with especial attention to the needs of those who are going into other fields of science. Considerable work in practical measurements will be given with emphasis on such subjects as significant figures, degree of accuracy, use of logarithms, and graphic analysis. Other subjects will be taken up according to the needs of the class.

References: The Theory of Mathemations, Tuttle and Satterly; A Course in Mathematics, Bailey and Woods in Chinese translation.

4 hours per week. Credits, 6

Math. 3-4. Differential and Integral Calculus: This course deals briefly with the elementary theory of differential and integral calculus, during the first term, and with

practical applications of mathematics during the second term. Special attention will be given to significant figures, the slide rule, graphic analysis, degree of accuracy, measurement and error, least squares, etc. This course is planned for those students who have taken a high standing in mathematics in the entrance examinations.

4 hours per week. Credits, 6.

Math. 5-6. Advanced Calculus: This is a continuation of Math. 3-4. The course includes review work, Implicit Functions, Jacobians, existence theorems, Taylor's and Fourier's Expansions, line, surface and volume integrals, as well as applications to Geometry.

Texts: Williamson's Differential and Integral Calculus; Osgood's Advanced Calculus.

3 hours per week. Credits, 6.

Math. 7-8. Theory of Functions of a Real Variable: This course includes a study of systems of real numbers, limits, continuity, aspects of uniformity, differentiation and integration, existence theorem, line, surface and volume integrals, representation of function by series and integrals, Green's and Stoke's theorems, and harmonic functions.

Texts: Gomsat-Hedrich, Mathematical Analysis, Vol. I; Phillips' A Course of Analysis; Osgood's Advanced Calculus; Knopp-Young's Theory and Application of Infinite Series; Pierpont's Theory of Functions of a Real Variable.

3 hours per week. Credits, 6.

Math. 9-10. Theory of Functions.

Texts: Harkness and Morley's Introduction to Analytic Functions; Foreght's Theory of Functions; Pierpont's Functions of a Complex Variable.

3 hour per week. Credits, 6.

Math. 11-12. Differential Equations: This course considers standard forms of the first order, simple forms of higher order, linear equations with constant coefficients, general linear equations of the second order, and total differential equations.

References: Cohen's Differential Equations; Campbell's Differential Equations; Johnson's Differential Equations.

This course is open to students in Mathematics, Chemistry and Physics.

4 hours per week. Credits, 6.

Math. 13-14. Advanced Differential Equations: This is an advanced course in differential equations.

3 hours per week. Credits 6

(Math. 21-40: Courses in Algebraic Mathematics.)

Math. 21-22. Algebra and Theory of Equations: This course comprises the numerical solution of equations, Sturm's functions, methods of approximation by Newton and Norner and Lagrange, theory of complex quantities, Demoivre's theorem, Euler's formula, exponential and trigonometric and hyperbolic functions of a complex argument, fundamental theorems of algebra, algebraic solutions of the cubic and the biquadratic, symetric functions, elimination, and discriminants.

Text: Williamson's Integral Calculus: Lamb's Infinitesimal Calculus; and Osgood's Advanced Calculus.

3 hours per week. Credits, 6.

Math. 23-24. Modern Algebra: This course considers determinants, matrices, quadratic forms, polynomials in several variables, and theory of equations.

Texts: Bocher's Introduction to Higher Algebra; Dickinson's Modern Algebraic Theories; Burnside and Pantor's Theory of Equations; and Dickson's Elementary Theory of Equations.

2 hours per week. Credits, 4.

Math. 25-26. Theory of Groups: With applications to algebraic equations.

Texts: Wetto's Theory of Substitutions; Mathewson's Elementary Theory of Finite Groups; Miller, Blichfeldt and Dickson's Finite Group.

2 hours per week. Credits, 4.

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Math. 27-28. Invariant Theory.

Texts: Salmon's Higher Algebra; Elliott's Algebra of Quantics; Grace and Young's Algebra of Invariants.
2 hours per week. Credits, 4.

(Math. 41-60: Courses in Geometrical Mathematics.)

Math. 41-42. College Geometry: An introduction to the field of Modern Geometry, in which there has been such extensive development during the past few decades. Special attention is given to the geometry of the circle and the triangle. This should be of great value to those planning to teach Plane Geometry in Secondary Schools.

Text: Altschiller-Court's College Geometry, In Chinese translation. Reference: Johnson's Modern Geometry.

3 hours per week. Credits, 6.

Math. 43-44. Analytic Geometry of Three Dimension: This carries the work of Plane Analytic Geometry into the three-dimensional field, with introductory work in determinants and linear equations.

Text: Dresden's Solid Analytic Geometry and Determinants.

4 hours per week. Credits, 6.

Math. 45-46. Modern Projective Geometry: The aim of this course is to broaden the geometrical concepts of the student. Previous definitions are extended to include points and lines at infinity, so that parallel lines no longer present exceptions to all rules, harmonic ratios assume new and more far-reaching roles, and the methods of projection and section open up vast new areas.

Texts: Holgate's Projective Pure Geometry; Wang's Modern Synthetic Geometry, in Chinese.

4 hours per week. Credits, 6.

Math. 47-48. Differential Geometry: This course takes up space curves, envelopes, ruled surfaces, curvature of surfaces and lines of surfaces.

Text: Eisenhart's Differential Geometry.
3 hours per week. Credits, 4.

Math. 49-50. Higher Plane Curves: This course includes an introduction to modern geometry.

Text: Salmon's Higher Plane Curves.
2 hours per week. Credits, 4.

Math. 51-52. Quaternians: This includers outlines of other space analysis.

Texts: Kelland and Tait's Quaternians; Joly's Manual of Quaternians; and Tait's Quaternians.
2 hours per week. Credits, 4.

(Math. 61-80: Courses in Mathematics of Finance.)

Math. 61-62. Arithmetic: This course takes up decimals, interest, discount, annuities, bond values, etc. Open to all students.
1 hours per week. Credits, 2.

Math. 63-64. Elements of Life Annuities and Life Assurance.
1 hours per week. Credits, 2.

Math. 65-66. Elements of Statistical Theory: Open to all students.
2 hours per week. Credits, 3.

Math. 67-68. Theory of Probability: Open to all students.
2 hours per week. Credits, 3.

Math. 69-70. Actuarial Problems.
2 hours per week. Credits, 3

(Math. 81-100: Courses in Mathematics of Physics.)

Math. 81-82. Astronomy. (See Description under General Science 5-6.)
2 hours per week. Credits, 4.

Math. 83-84. Surveying and Spherical Trigonometry: This course takes up the principles of topographic, hydro-

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graphic and land surveys, and it includes the use of the transit, level and tape, and the drawing of profiles and computation of areas.

Text: Hosmer's Elementary Surveying: Wentworth's Spherical Trigonometry.

3 hrs. for fall and 2 hrs. for spring. Credits, 3.

Math. 85-86. Vector Analysis: This takes up the algebra and calculus of vectors with applications to mechanics and electrical theory.

Text: Gibbs' Vector Analysis.

Reference: Wells' Vector and Tensor.

3 hours per week. Credits, 6.

Math. 87-88. Theoretical Mechanics: The includes the mechanics of systems of particles and of rigid bodies, generalized coordinates, Hamilton's principle, and elements of hydrodynamics and elasticity.

Text: Macmillan's Theoretical Mechanics.

3 hours per week. Credits, 6.

(Math. 101-120: Miscellaneous Courses in Mathematics.)

Math. 101-102. The Teaching of Mathematics.

2 hours per week. Credits, 3.

Math. 103-104. Mathematical History: This present a broad outline of the development of mathematics in different countries, with especial reference to leading mathematicians.

3 hours per week for one term. Credits, 3.

Math. 105-106. Mathematical English: This represents an attempt to familiarize the student with the technical vocabulary of mathematics so that he can make use of English texts in class or for reference.

3 hours per week for one term. Credits, 3.

DEPARTMENT OF PHYSICS.

I. Teaching Staff.

Dye, Daniel Sheets, B.S., M.A. *Head of Department.*
Downer, Sara Boddie, B.S., M.A.
Dseo, Yuan Wen, B.S.
Wang, Tieh Ren, B.S.
Wu, Kueh Chang, B.S., M.A.

II. Course.

		Lecture	Laboratory	Credits
First Year:				
Common Course for Science Students,		20	15	45
(And Gen.Sc. 3-4. Departmental Lectures)				
Second Year:				
Chinese		2		3
Ethics		2		4
Gen.Sc. 1-2	Orientation Course.	2		2
Math. 3-4	Calculus.	5		8
Physics 3-4	Electricity One.	3	3	8
Physics 7	Mechanics and Heat.	4	5	6
Physics 8	Sound. *(or)*	(2	3	3)
Gen.Sc. 5-6	Astronomy.	2	2	4
Math. 43-44	Analytical Geometry of Three Dimensions, *(or)*	(3		6)
Math. 83-84	Surveying and Spherical Trigonometry.	2	2	5
				40
Third and Fourth Years:				
Physics 9-10	Mechanical Drawing		2	2
Physics 11	Optics,	4	5	6
Physics 12	Flectricity Two,	3	6	5
Physics 15-16	Applied Electricity,	2	3	6
Physics 17-18	Radio Communication,	2	3	6
Physics 19-20	Precise Measurements.	1	3	4
Physics 21-22	Modern Physics,	3		6

		Lecture	Laboratory	Credits
Physics 23-24	Thesis.			2
Physics 25-26	Seminar.			
	(At least 27 hours of the above)			
Math. 11-12	Differential Equations.	3		6
Math. 85-86	Vector Analysis.	3		6
Math. 87 88	Theoretical Mechanics.	3		6
Gen.Sc. 7- 8	Geology.	2	2	6
Gen.Sc. 9-10	Correlation Course.	2		2
	Chinese			3
	Ethics	2		4
	Electives.			16 52
				152

III. Description of Courses in Physics.

Physics 1-2. *General Physics:* A general course in Physics emphasizing mechanics, heat, sound and light.

Texts: 大學叢書普通物理薩本棟著 Vol. I

A First Course in Physics for College, Millikan, Gale and Edwards; Laboratory Manual, Dye and Downer.

Required course in the first year for those students planning to elect science, medicine, or dentistry.
3 hours lecture and recitation, 3 hour laboratory.
Credits 4-4.

Physics 3-4. *Electricity One:* A study of principles of electricity, with emphasis upon practical use.

Texts: 大學叢書普通物理薩本棟著 Vol. II; and Culver's Electricity and Megnetism; Laboratory Manual, Downer and Dye.

Prerequisite: Entrance examination grade of at least 80%, or Physics 1-2. Required of Medical-Dental students.

3 hours lecture and recitation, 3 hours laboratory.
Credits 4-4.

Physics 5-6. *Physics for Arts:* This is a general course in Physics, designed to give students in the College of Arts some of the methods and materials of physical science.

Texts: 實用物理, 密爾根著

Laboratory Manual, Downer and Dye.

2 hours lecture and recitation, 3 hours laboratory.
Credits 3-3.

Physics 7. *Mechanics and Heat:* A course stressing fundamental principles in mechanics, molecular physics, and heat. (Some of the work will be in English to meet the need for technical English.)

Texts: Notes in Chinese and Edser's Heat in English.
Prerequisite: Physics 1-4 and Math. 1-2.

4 hours lecture, 5 hours laboratory for one term.
Credits 6.

Physics 9-10. *Mechanical Drawing:* Designed for those specializing in Physics or who are preparing for specialization in engineering in technical schools. This course includes laying out work, draughting of the plane and the solid, tracing and lettering.

Texts: French's Engineering Drawing; Jones' Machine Drawing.

3 to 9 hours per week. Credits 1 to 3 hours per term.

Physics 11. *Optics:* A study of the theory and essential phenomena of light with experimental work in intensity, reflection, refraction, dispersion, absorption, interference, diffraction and polarization.

Texts: Edser's Light, Wood's Physical Optics, Laboratory Directions, Dye.

Prerequisites, P3-4, 7,11 and Ml-6.

4 hours lectures and recitation, 5 hrs. laboratory.
Credits, 5.

Physics 12. *Electricity Two:* This course is a continuation of P3-4, and deals with the phenomena, theory and application of electric charge electricity in motion, direct and alternating currents, capacity and induction.

Texts: Zeleney's Elements of Electricity supplemented by references to other texts for special subjects.
Prerequisite, P3.4.

3 hours lecture and recitation, 6 hours laboratory.
Credits, 5.

Physics 14. *Sound:* A study of the fundamental phenomena and principles of sound, its production, its transmission, its reception, and its recording. (Some of the work is in English so as to meet the need for scientific English.)

Texts: Theory of Sound, Rayleigh,

Prerequisite, P1 7, and M1-6.

2 hours lecture and recitation. 3 hours laboratory.
Credits, 3.

Physics 15-16. *Applied Electricity:* A theoretical and practical course of study of electrical generators, motors, and meters, both D. C. and A. C.

Text: Gray's Principles and Practice of Electrical Engineering.

Prerequisite, P1-11, M1-6.

2 hours lecture and recitation, 3 hours laboratory.
Credits 3-3.

Physics 17-18. *Radio Communication:* A study of oscillatory circuits, radio waves, principles of transmission, and the construction of circuit.

Text: Morecroft's Elements of Radio Communications.

Reference: Principle of Radio Communication, Morecroft.

Prerequisites, P1-11, and M1-6.

2 hours lecture, 3 hours laboratory.
Credits, 3-3.

Physics 19-20. *Precise Measurements:* This course is planned for those students majoring in Physics. Experiments and theory in physical properties. electricity and optics will be taken up. Certain experiments will be included for those who elect P21-22. There is elasticity in the selection of experiments to meet the need and interests of the students.

Texts: The student is not required to purchase a text book for this course but he must consult special books and articles referred to in the experiment directions.

Prerequisites, P1-4, 7, one other course in Physics, and at least fifteen hours credits in Mathematics.
1 hour lecture, recitation, or report, 3 to 6 hours laboratory. Credits, 2-3 hours per term.

Physics 21-22. *An Introduction to Modern Physics:* This course reviews the rise of Physics and the Experimental Method and then takes up some phases of Modern Physics.

A major part of the course takes up a study of moving charges, line spectra, the structure of the atom, and X-rays.

References: Cajori's History of Physics, Richtmeyer's Introduction to Modern Physics, Contemporary Physics, Darrow.

Prerequisites: Physics 1-13, and P19-20 must be taken in conjunction.

3 hours lecture and reports. Credits, 3-3.

Physics 23-24. *Physics Problem and Thesis:* Those who major in Physics must consult the head of the Department in the selection of a problem for individual research, which includes reading, experiment, and the writing of a thesis. Credit, 1-1.

Physics 25-26. *Physics Seminar:* A seminar in current periodicals, journals, books that is planned for senior students and teachers in the Physics Department of the University and associated schools in Chengtu.

DEPARTMENT OF PHARMACY.

TEACHING STAFF:

Meuser, E. N., Phm.B., Ph.M., Phar.D.
Head of Department.
Crawford, W., M.D., C.M., D.P.H.
Foster, Miss B.L., B. A.
Fung, D.R., B. S.
Gi, G.C., Ph. G.
*Hibbard, E., B.A., B.D.
*Kilborn, L.G., M.A., M.D., Ph.D.
Lenox. J.E., B.A., M.D.
Li, Hsin-lung, B.S., (P.)
Pen, D.F., B. S.
Yang, Miss H.S., B. S. (P,)

The general regulations governing this department are those of the Faculty of Science as outlined in the General Statement. Such special regulations as may be made from time to time will be duly announced.

The degree of Bachelor of Science (in Pharmacy) B.S. (P.) will be given upon the satisfactory completion of the prescribed course and an accepted thesis.

The curriculum is subject to addition, deletion, or other alteration at any time and without advance notice, at the discretion of the Faculty.

Courses.

FIRST YEAR.

Subject.	Subject Number	Hours Lecture	Hours Lab.	Credits
Ethics or Religion		2		4
Chinese		2		3
English	3-4	6		8
Inorganic Chemistry	1-2	2	6	8
Physics	1-2	3	3	8
Biological Principles	1-2	2	6	8
Mathematics	1-2	4		6
Physical Training				
		21	15	45

SECOND YEAR.

Subjects.	Subject Number	Hours Lecture	Hours Lab.	Credits
Ethics		2		4
English	5-6	3		6
General Botany	6	2	4	4
Physics	3-4	2	4	8
Organic Chemistry	3-4	2	4	8
Pharmaceutical Latin	Ph. 5-6	2		2
Materia Medica & Pharmacognosy	Ph. 7-8	3		6
Technical English	Ph. 1-2	1		2
Pharmaceutical Metrology	Ph. 3-4	2		4
				44

THIRD YEAR.

Subject.	Subject Number	Hours Lecture	Hours Lab.	Credits
Technical English	Ph. 9-10	1		2
Science & Human Life	3-4	1		2
Pharmaceutical Processes	Ph. 1-1	4	3	7
Pharmaceutical Accounting	Ph. 13-A			
Pharmaceutical Jurisprudence History & Ethics	Ph. 13-B	1		1
Galenical Pharmacy	Ph. 16	4	3	7
Chemistry (Qualitative Analysis)	5-6		3	3
Chemistry (Quantitative Analysis)	7-8		6	6
Physiology and Biochemistry	Ph. 17	3	4	5
Pharmacology and Toxicology	Ph. 18	3	6	6
				39

FOURTH YEAR.

Subjects.	Subject Number	Hours Lecture	Hours Lab.	Credits
Technical English	Ph. 19-20	1		2
Prescriptions Incompatibility & Dispensing	Ph. 21-22	2	2	6
Pharmaceutical Chemistry	Ph. 23-24	2	6	10
Public Health & First Aid		1		2
Bacteriology		2	2	4
Chemistry (Organic Analysis)	Ph. 29		6	3
Pharmacopoeial Analysis & Drug Assay	Ph. 25-26	1	3	5

Subject.	Subject Number	Hours Lecture	Hours Lab.	Credits
Chinese Drug Research & Thesis	Ph. 27-28	2	3	7
				39

N. B.—The addition to the present curriculum of a course in Clinical Pathology and certain other subjects is now under consideration.

DESCRIPTION OF COURSES.

Pharmacy 1-2 Technical English.

A special course in scientific terminology having particular reference to pharmaceutical terms and expressions used in lectures and text books on the various subjects on the Pharmacy curriculum. Exercises in English conversation will be a feature of the course, as well as a general preparation of the student to read pharmaceutical journals and other pharmaceutical literature.

Lectures.— 1 hour a week. Credits 2 hrs.

Pharmacy 3-4. Pharmaceutical Metrology.

The purpose of thie course is to acquaint the student with the various systems of weights and measures, types of pharmaceutical balances, specific gravity, specific volume, etc., also percentage problems, alligation and other arithmetical calculations relative to problems in pharmacy.

Text book: Pharmaceutical and Chemical Arithmetic, —Sturmer.

Lectures.— 2 hours a week. Credits 4 hrs.

Pharmacy 5-6. Pharmaceutical Latin.

This course is designed to present those principles of Latin etymology and construction which are essential to an intelligent understanding and use of the terminology of Pharmacy. The construction of Latin prescriptions with abbreviations, will be studied in detail.

Text:— Pharmaceutical Latin, Muldoon.

Lectures.— 2 hours a week. Credits 2 hrs.

Pharmacy 7-8. (Materia Medica and Pharmacognosy).

Important organic and inorganic drugs of different pharmacopoeias will be studied with respect to names, character, botanical source, parts used, active constituents, dose, and official preparations. The course will also include practise in the identification and systematic examination of the general macroscopical and microscopical features of some of the more important and official drugs.

Text:— Materia Medica, Bruce.

Ref:— Chinese Pharmacopoeia; B.P., U.S.P.

Lectures:— 3 hours a week. Credits 6 hrs.

Pharmacy 9-10. (Technical English).

This course will be a continuation of, and a general progression in Pharmacy 1-2. Is is intended to facilitate the student's study of English texts and literature on the advanced Courses.

Lectures:— 1 hour a week. Credits 2 hrs.

Pharmacy 11. (Pharmaceutical Processes).
Lectures

This subject consists of a study, with demonstrations, of the general principles and processes employed in pharmaceutical operations.

The following will be given due consideration during the course: Collection and preparation of crude drugs, comminution, solution, evaporation, extraction, infusion, percolation, etc.

Text:— Text-book of Pharmacy—Bentley

Ref:— Fundamentals of Pharmacy—Meuser.

Lectures:— 4 hours a week for 1 term. Credits 3 hrs.

Pharmacy 11.
Laboratory

This course includes practical laboratory work with pharmaceutical apparatus used in the manufacture and purification of various pharmacopoeial chemicals and preparations, illustrating one or more of each of the pharmaceutical processes described in the didactic course.

Text:— Practical Pharmacy Manual— (1).

Laboratory 6 hours a week for 1 term. Credits 3 hrs.

Pharmacy 13. (Pharmaceutical Accounting, Jurisprudence, History and Ethics).

(a) Pharmaceutical Accounting:—This course is designed to give the student the fundamental principles of pharmaceutical and hospital accounting and the keeping of business records.
Lectures:— 1 hr. per week for lst part of one term.

(b) Pharmaceutical Jurisprudence, History and Ethics. Statutary regulations governing the practise of pharmacy in China and in Western countries will be given due consideration. The history and ethics of pharmacy will also be studied in detail.

Lectures:— 1 hour a week for 1 term. Credits 1 hr.
(after completion of Ph. 13a).

Pharmacy 16. Galenical Pharmacy.
Lectures:

In this course the official preparations of the Chinese, British and United States Pharmacopoeias as well as important non-official preparations will be studied, involving name and synonyms, composition, strength, uses, doses, etc.

Lectures:—4 hours a week for 1 term. Credits 4 hrs.

Text:—Text-Book of Pharmacy—Bentley.

Ref:—Chinese, British & United States Pharmacopoeias

Pharmacy 16. Manufacturing Pharmacy.
Laboratory:

In this Course the student will be given extensive practise in the various details of manufacture of several preparations each of the different classes of pharmaceutical preparations of the Chinese, British and United States pharmacopoeias. Certain types of toilet preparations and chemical salts will also be made.

Ref:—Chinese Pharmacopoeia, B.P., U.S.P.

Text:—Practical Pharmacy Manual.

Laboratory:—6 hours a week for 1 term.
Credits 3 hrs.

Pharmacy 17. Physiology and Biochemistry.

The purpose of this course is to give the student an appreciation of the mechanism of the body as a whole, while at the same time the material is given in such detail as to aid toward a clearer understanding of the action of drugs in altering physiological processes as studied later under pharmacology.
Text & Reference Books:

Handbook of Physiology.—Halliburton

Elementary Manual of Physiology.—Burton-Opitz

The Human Body & its Functions.—Best & Taylor

Laboratory Manual.—Evans & Kilborn (Chinese)

Pharmacy 18. Pharmacology & Toxicology.

The physiological action of drugs is studied from both the theoretical and practical standpoints. The laboratory course makes use of frogs, turtles, mammals, and the students themselves in a study of the modification of physiological functions of drugs and poisons. Such Chinese drugs as have been investigated are included in the course. Poisons and their detection and antidotes will also be studied.

Lectures:— 3 hrs. 1 term Credits 6 hrs.

Laboratory:—6 hrs. 1 term.

Pharmacy 19-20 Technical English.

Advanced work will be given in English reading, interpretation and discussion of standard pharmaceutical texts, journal articles, etc. At least one essay written in English will be required of each student, on such subject or subjects as may be assigned by the teacher.

Lectures:—1 hour a week. Credits 2 hrs.

Pharmacy 21-22. (Prescription & Incompatibility).

Lectures:

Ths instruction given in this course includes prescription writing, reading, and interpretation, and detailed discussion of pharmacal, chemical, and physiological incompatibilities.

Use will be made of the projectoscope in reflecting autograph prescriptions on the screen, when they will be carefully examined and criticized.

Text:—The Art of Dispensing,—Chemist & Druggist

Ref:—Prescriptions & Incompatibility—Meuser

Dispensing for Pharmacy Students—Cooper & Dyer

Incompatibilities in Prescriptions—Ruddiman

Lectures:—2 hours a week Credits 4 hrs.

Pharmacy 21-22. (Practical Dispensing).

Laboratory:

This course embraces practical experience in the methods of compounding and dispensing the various types of prescriptions, simple and technical, as well as other official and extemporaneous preparations. It also gives special emphasis to accuracy, technique, and neatness in work,

Text:—Dispensing Manual

Ref:—Dispensing for Pharmacy Students,—Cooper & Dyer.

The Art of Dispensing—Chemist & Druggist

Laboratory:—2 hours a week Credits 2 hrs.

Pharmacy 23-24. (Pharmaceutical Chemistry).

In this course will be studied in a general way the chemistry and other data of those drugs and medicines commonly used in Pharmacy, laying particular stress upon their pharmaceutical aspect.

The laboratory course will include the practical manufacture, and both qualitative and quantitative assays of some of the more important of the drugs.

Texts.—Pharmaceutical Chemistry—Bentley & Driver

Pharm. Chemistry Laboratory Mannual

Lectures:—2 hours per week Credits, 10 hrs.

Laboratory:—6 hours per week.

Pharmacy 25-26. (Pharmacopoeial Analysis).

Lectures:

In this Course selected formulae of official preparations of different pharmacopoeias will be analysed, compared and criticised in detail as to constituents, doses, processes of manufacture, tests, etc.

Text:—Chinese, British and United States Pharmacopoeias.

Lectures:—1 hour a week. Credits 2 hrs.

Laboratory:

This laboratory course is intended to give the student definite practical experience, under the supervision of the instructor, in carrying out the assays previously studied in the didactic course.

Text:—Laboratory Manual of Drug Analysis & Assay.

Ref:—Pharmacopoeias—Chinese, British and U.S.A.

Analysis of Drugs and Medicines—Nelson.

Laboratory:—3 hours a week Credits 3 hrs.

Pharmacy 27-28. (Chinese Drug Research).

This course is designed to develope and equip the student in the recognition, collection and preservation of native crude drugs of vegetable, mineral and animal origin, and to analyse same for the purpose of ascertaining their active constituents, and their physiological, chemical and physical properties; also to standardize the same for dosage, etc. Each student will be given a specific research problem upon which to work. He will be expected to prepare an original thesis based on the work done on his research problem, and shall present this thesis to the Faculty for acceptance before graduation.

Text:—Analysis of Drugs and Medicine—Nelson.

Ref:—Microscopical Examination of Drugs—Greenish.

Qualitative Analysis of Medicinal Preparations —Fuller.

Lectures:—2 hours a week.

Laboratory:—3 hours a week. Credits 7 hrs.

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GENERAL SCIENCE COURSES.

Gen. Sc. 1-2. Orientation Course; This is a general lecture course for all students in Arts and in Science. It is designed to give a general view of the place of the arts and of the sciences in life, as well as to a particular view of the work of the several departments. The lectures of the first term are devoted to the arts and those of the second term are devoted to the sciences. Note-taking and examination are required. Required of the first year students in Arts and of the second year students in Science.

2 hours lecture. Credits, 1-1.

Gen. Sc. 34. Science Lectures: Occasional Lectures will be announced by each department for all first year students in science, in order to acquaint the students with the work in the several departments. The total number of these lectures during the year will not exceed twenty. An examination will be required of the science students of the first year.

Gen. Sc. 5-6. Astronomy: A course in descriptive astronomy, which is open to all students above the first year, and is offered in alternate years.

Text: Astronomy, Baker; Reference: General Astronomy, Young.

(This will be given in the spring term of 1936, 4 hours per week.)

2 hours lecture and laboratory. Credits, 2-2.

Gen. Sc. 7-8. Geology: This is primarily a course in dynamical, structural and historical geology. The lectures include illustrative material and lantern slides from Szechwan and other parts of China. The laboratory work includes the study of topographical maps, minerals, fossils, and field trips.

2 hours lecture, 2 hours laboratory work. Credits, 6.

Gen. Sc. 8-0. Paleontology: A study of fossil organisms, planned for students of Biology but not exclusively so. Geological Formations, type fossils of various formations, together with the evolutionary process and its relation to chronology will be taken up.

2 hours lecture and laboratory. Credits, 2.

Gen. Sc. 9-10. Correlation Course. This is a general course for students of the third and fourth years in both Science and Arts. This is a course to broaden the interests and the understanding of the student who has majored in one department of one college. It is designed to facilitate an integration of science and art in life.

Gen. Sc. 11-12. Domestic Science: This course deals with "Home Making as a Profession" and will include the following subjects: (1) Home Sanitation, (2) Home Nursing, (3) Accounting, (4) Child Welfare (including general care of the child with especial attention to child feeding), (5) and Feeding the Family. Considerable stress will be placed on the scientific planning of the diet of the family. A practical course will be given in foods where meals will be prepared.

2 hours lecture, 2 hours laboratory. Credits, 3-3.

COLLEGE OF MEDICINE AND DENTISTRY

Council:

Morse, W. R. - - Dean of Medicine
Mullett H. J. - - Dean of Dentistry
Anderson H. G. - - Secretary of the College
Collier H. B. - - Treasurer of the College
Agnew R. G.
Liljestrand S. H.

Faculty:

Agnew, Robert Gordon, B.A., M.Sc. (Dent.), D.D.S., Toronto; L.D.S., Royal College of Dental Surgeons, F.I.C.D.
Professor of Pathology and Bacteriology.

Agnew, Mary Caldwell, M.A., Toronto.
Lecturer in Biochemistry.

Albertson, Wilford Beaton, B.A., Toronto; B.D., Union Theological Seminary. Bursar. Lecturer in Oral Technical Drawing.

Anderson, Harold G., M.B., B.S., M.R.C.P., London.
Associate Professor of Internal Medicine.

*Anderson, R. M., L.D.S., D.D.S., Toronto, Royal College of Dental Surgeons. Instructor in Odontology.

Best, Albert Edward, B.A., M.D., Toronto.
Professor of Internal Medicine.

Best, Gertrude Chamberlain
Lecturer in Technical English.

Chang, Min-Chuin, B.S., West China Union
Associate Professor of Biology,

Collier, H.B., M.A., Ph.D., Toronto, Assistant Professor of Biochemistry.

Crawford, Wallace, M.D., C.M., D.P.H., Western.
Associate Professor of Hygiene and Public Health.

Cunningham, Edison Rainey, B.A., M.D., C.M., Manitoba; D.O.M.S. London.,
Professor of Ophthalmology.

Cunningham. Gladys Story, B.A., McGill; M.D., Manitoba. L.M.C.C., Canada.
Assistant Professor of Obstetrics and Gynecology.

Djang, U. T., B.S., West China Union.
Assistant Instructor, Biochemistry.

Djin, Hsi-tien, B.A., West China Union. Lecturer in Clinical Photography.

Du, Shuen-deh, M.D., West China Union.
Assistant Professor of Parasitology.

Fung, Da-ran, B.S., West China Union.
Assistant Professor of Pharmacology.

Hu, Yin-teh, B.A., Union College; M.D., Peking Union Medical College.
Associate Professor of Pathology.

*Hsiao, Dso-Ran, D.D.S., West China Union.
Assistant Clinician in Dentistry.

Hsieh, H. H., M.D., West China Union.
Instructor in Roentgenology and Surgery.

*Kilborn, Janet McClure, M.D., Toronto.
Lecturer in Technical English, Demonstrator in Histology and Embryology.

*Kilborn, Leslie Gifford, M.A., M.D., Ph.D., Toronto.
Professor of Physiology and Pharmacology.

*Kilborn, Retta Gifford, M.D., C.M., Trinity (Toronto).
Emeritus Professor of Pediatrics.

Lenox, John E., B.S., Bucknell; M.D., Pennsylvania, Instructor in Internal Medicine.

Liljestrand, Ethel H., B.A., Syracuse. Registrar in Clinical Gynecology

Liljestrand, Sven Herman, Ph.B., M.D., Syracuse.
Professor of Obstetrics and Gynecology.

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*Lindsay, Ashley Woodward, D.D.S., B.Sc. (Dent.), Toronto; L.D.S., Royal College of Dental Surgeons, F.A.C.D.
Professor of Oral Surgery.

*Lindsay, Alice W.
University Librarian. Assistant Professor of English.

†Lu, Samuel Tse-ren, M.D., West China Union.
Assistant Professor of Pediatrics.

Lü, Djong-lin, M.D., West China Union; D.O.M.S., London.
Associate Professor of Ophthalmolgy and Otolaryngology.

Manly, Marion E., B.A., Ohio Wesleyan; M.D. Rush.
Assistant Professor in Obstetrics and Gynecology.

Meuser, Edwin Nelson, Phm.B., Toronto; Pharm. D., Pennsylvania.
Professor of Pharmacy.

†Millar, Jean Ewald, M.D., Western Ontario; Lecturer in Pediatrics.

Morse, William Reginald, B.A., Acadia; M.D., C.M., McGill; LL.D., Acadia, F.A.C.S.
Professor of Anatomy, and Associate in Surgery.

Morse, Anna C.
Lecturer in Anatomical Drawing.

Mullett, Harrison J., D.D.S., B.Sc. (Dent.) Toronto; L.D.S., Royal College of Dental Surgeons.
Professor of Prosthodontology

Mullett, Pearl McDonald
Lecturer in Technical English.

*Ngan, D.L., D.D.S., West China Union. Clincial in Dentistry

Pen, Dze-Fu, B.S. West China Union.
Instructor in Physiology.

*Peterson, Robert A., M.S. M.D., Iowa.
Professor of Otalaryngology and Associate in Ophthalmology.

*Peterson, Victoria Russell
Lecturer in Technical English.

Whang, Tien-chi, B.D.S., West China; D.D.S., Toronto.
Associate Professor of Odontal Surgery.

Williams, Thomas Henry, M.D., C.M., Manitoba; M.C.P.S., Manitoba; L.M. C.C., Canada; D.T.M. & H. London.
Professor of Pathology and Bacteriology.

Wilford, Edward Corry. M.D., Toronto., L.R.C.P and S., Edinburgh. F.A.C.S.
Professor of Surgery.

Wilford, Claudia, Lecturer in Technical English.

Yang, Dze-gao, M.D., West China Union.
Clinician in Surgery.

Yen, Yin, M.D. West China Union. Assistant Instructor in Anatomy

*On leave of absence 1935, 1936.

†Deceased

History and Organization.

The Faculty of Medicine was established in 1914 as an integral part of the West China Union University. The course was reorganized in 1918, when a minimum of two years premedical instruction of collegiate grade was required for admission. A Department of Dentistry was officially organized under the Faculty of Medicine in the year 1918. This action regularized the standing of students who had registered in the medical course with a view to specializing in dentistry. In December, 1919, the Department of Dentistry was reorganized and created a separate faculty of the university.

In 1929, the Faculties of Medicine and Dentistry were united as the College of Medicine and Dentistry of the West China Union University, and the Board of Governors sanctioned this actien in 1930. This union has greatly increased the efficiency of both faculties.

Degrees and Diplomas.

The Medical and Dental courses consist each of four years preclinical and clinical instruction and final interne year, having completed the work in the prerequisite sciences. Upon the satisfactory completion of all requirements the degree of M.D. or of D.D.S. is conferred by the University.

A Diploma in Ophthalmology and Otolaryngology is granted by the University to graduates in Medicine of this or other recognized universities who have completed the special two year course in those subject. Details of this course may be found listed under the departments concerned.

A Certificate in Hospital Techology is granted by the College of Medicine and Dentistry to students who successfully complete the three year course required. Details of this course and entrance requirements may be obtained by applying to the Dean of Medicine or the Head of the Department of Pathology and Bacteriology, Div. I, under whose direction the course is given.

Language of Instruction.

The language of instruction in the lower years is Chinese. English, both general and technical, is taught, and the aim is that upon graduation the student shall be able to continue his studies from English text-books and journals. Lectures in the senior years may be given in English.

Special Rules and Regulations.

1. The tuition fees, general rules, regulations, etc., of the University apply to students in Medicine and Dentistry.

2. The faculty reserves the right to change any course of study at any time without notice. Students already in the institution, as well as new students, are required to conform to the changes.

3. Each student is required to have the necessary books for each course within two weeks of the opening of the term, or attendance will not be permitted without special permission.

Required text books are kept in stock by the sales department of the University Library. As cash sales only are permitted It is essential that a student begin the term with the necessary amount of money on hand.

4. Scholarship students, unless specially exempted, who have taken in advance a course listed in a given year must take a similar course of approximately the same length.

Examinations.

Candidates for the courses in Medicine and Dentistry must pass the following examinations in the Prerequisite Sciences —1st year. *Chemistry; Biology; Physics; English;* Chinese; Technical English, Ethics. Failure in one or more of the subjects printed in italics disqualifies the student for entrance.

The following are the subjects of examination in the Prerequisite Sciences II year—*Chemistry; Physics; Biology; English;* Chinese; Technical English; Ethics: Psychology; †Technical Drawing. Failure in two or more of the subjects printed in italics disqualifies the student for promotion.

The following are the subjects of examination in the *First year* Medicine and Dentistry:—Anatomy; Histology and Embryology; Biochemistry; English; Technical English. Failure in Anatomy disqualifies for promotion. Failure in more than one other subject disqualifies for promotion.

The following are the subjects of examination in the *Second year* of Medicine and Dentistry:—Physiology; Materia Medica and Pharmacy; Pharmacology; Bacteriology; Pathology; Physical Diagnosis; Clinical Biochemistry; English; Technical English; Neurology; †Parasitology; *Dentistry; †Odontal Anatomy, †Oral Microbiology. Failure in more than two subjects disqualifies for promotion.

The following are the subjects of examination in the *Third* year of Medicine and Dentistry:—Medicine including *Dermatology; Surgery including *Orthopedics, *Venereal Diseases and *X-ray; *Pathology; *Obstetrics and Gynecology; English and Technical English; *Dentistry: *Clinical Neurology; †Oral Histology and Embryology; †Oral Pathology; †Prosthodontal Technology including †Applied

Physics, †Oral Technology and †Metallurgy; †Odontology. Failure in more than two subjects disqualifies for promotion.

The following are the subjects of examination in the *Fourth* year of Medicine:—Medicine including Psychiatry; Surgery; Obstetrics & Gynecology; Pediatrics; Hygiene and Public Health; Ophthalmology; Otolaryngology; Therapeutics including Dietetics; Dentistry; Medical Jurisprudence; Ethics and History; English. Failure in more than two subjects disqualifies for promotion.

The following are the subjects of examination in the *Fourth* year of Dentistry:—Comparative and Applied Oral Anatomy; Oral Biochemistry and Dietetics; Oral Physiology; Odontology including Materia Medica: Oral Hygiene and Preventive Dentistry; Oral Laboratory Technology including Instrumentology and Applied Photography; Oral Medicine and Surgery including Oral and Exodontal Technology, Anesthesia and Electro-therapy; Parodontology including Parodontal Technology; Orthodontology including Orthodontal Technology; Prosthodontology including Prothodontal Technology; Odontology including Odontal Surgical Technology; Oral Diagnosis; Oral Pediatrics; Dental Jurisprudence, Ethics, History and Practice. Failure in more than two subjects disqualifies for promotion.

At the end of the *Fifth*, or interne, year in Medicine, comprehensive written and oral examinations are held in the general subjects of Medicine; Surgery; Obstetrics and Gynecology. Each examination shall include the subject matter of related subjects.

At the end of the *Fifth*, or interne, year in Dentistry comprehensive written and oral examinations are held in Prosthodontology, Oral and Exodontal Surgery, Odontology, Parodontology.

Subjects marked* in the above paragraphs are taken by medical students only. Subjects marked† are taken by dental students only.

A student who is disqualified for promotion by failure in more than the maximum number of subjects in which failure is allowed in any one year is not permitted to present himself for supplemental examination.

A student who has failed in not more than the maximum number of subjects in which failure is allowed in any one year, as indicated by the above schedule, may be admitted to the supplemental examination, held before the opening of the Fall term. Upon passing all examinations he may register in the year following.

Supplemental examinations are held only once each term, before the opening of the term.

Regular examinations are held at the end of each term, but additional examinations and tests may be given in any subject at any time, at the discretion of the teachers. The results of such tests shall count in determining the final standing of the student.

When a course of instruction extends over more than one term, examinations shall include all work covered to time of examination and the final examination shall include the entire course in the subject.

A student who is disqualified for promotion, either by failure in more than the maximum number of subjects in which failure is allowed or by failure in one or more supplemental examinations, if he wishes to continue the study of Medicine or Dentistry in this university must repeat the work of the entire year including those subjects in which he originally passed.

A student who fails in any subject will be notified by the registrar. For this purpose all students should inform the registrar of correct *summer* postal addresses.

MEDICINE AND DENTISTRY.

Summary of Prerequisite Courses

The greater part of the work in the prerequisite sciences is given by the staffs of the Colleges of Arts and Science. The details of the courses may be found in the Catalogue of the Colleges of Arts and Science.

PREREQUISITE COURSE. I YEAR	Term or half-year credits.
Chinese	3
English	8
Ethics	4
Biological Principles (Biol. 1-2)	8
Inorganic Chemistry (Chem. 1-2)	8
Physics (Phys. 1-2)	8
Mathematics, (Math. 1-2)	6
Physical Training	
	45

PREREQUISITE COURSE. II YEAR	Credits
Chinese	4
Religion or Ethics	2
Psychology (Phil. 1)	4
English	6
Botany (Biol. 6)	4
Zoology (Biol. 19 or 20)	4
Organic Chemistry (Chem. 3-4)	6
Physics (Phys. 3-4)	8
Technical English	2
*Technical Drawing	2
Total	42

*Required of dental students only.

NOTE—Academic standing alone will not be sufficient for admission to the courses in Medicine or Dentistry.

COURSE IN MEDICINE, AND HOURS REQUIRED

See also required premedical Sciences.*

SUBJECT	First year		Second year		Third year		Fourth year		TOTALS	
	Fall	*Spring*	*Fall*	*Spring*	*Fall*	*Spring*	*Fall*	*Spring*	*For Subject*	*For Group*
English	54	45	54	45	18	15	18	15	264	429
Technical English	36	30	36	30	18	15			165	
Anatomy	342	285							627	
Applied Surgical Anatomy						15			15	840
Histology & Embryology	108	90							198	
Biochemistry	126	120							246	
Physiology			306						306	777
Pharmacy & Materia Medica			72						72	
Pharmacology				135					135	
Bacteriology & Immunology			126						126	
Pathology				90	162	75	18	15	360	
Hematology				30					30	708
Clinical Biochemistry				75					75	
Parasitology			36	45					81	
Clinical Pathology					72				72	
Internal Medicine					72	120	126	120	438	
Physical & Differential Diagnosis				60	36				96	
Neurology & Psychiatry				30	36		18		84	
Pediatrics I, and II or III							54	45	99	945
Therapeutics						30	18	15	63	
Dermatology					36				36	
O.P.D. Medical						45	54	30	129	
Surgery					144	120	108	90	462	
Venereal Diseases							18		18	
Roentgenology							18		18	657
Orthopedics								30	30	
O.P.D. Surgical						45	54	30	129	
Obstetrics & Gynecology					72	60	54	60	246	246
Hygiene & Public Health								75	75	75
Ophthalmology								45	45	
Otolaryngology							54		54	150
Dental Subjects			18			15	18		51	
Jurisprudence, Ethics, History						15	36		51	51
Totals. 666	570	630	540	666	570	666	570	4878	4878	

*The details may be found on another page. The Fifth year is a rotating interneship of twelve months.
For the Prerequisite Sciences see another page.

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MEDICINE.

Summary of Required Courses in Medicine.

ANATOMY.

Anatomy	I.	--	Osteology
"	II.	—	Gross Anatomy
"	III.	—	Histology
"	IV.	—	Embryology
	V.	—	Oral Anatomy for Medical Students.

BIOCHEMISTRY.

Biochemistry	I.	—	Biochemistry
" "	III.	—	Applied Oral Biochemistry for Medical Students.

PHYSIOLOGY AND PHARMACOLOGY.

Physiology	I.	—	Human Physiology
" "	II.	—	Journal Club
" "	III.	—	Neurology
" "	IV.	--	Oral Physiology for Medical Students
Pharmacology	VII.	--	Materia Medica and Pharmacy
" "	VIII.	--	Pharmacodynamics.

PATHOLOGY.

Pathology	I.	—	Bacteriology and Immunology
" "	II.	—	Parasitology
" "	III.	—	Clinical Biochemistry
" "	IV.	--	Hematology
" "	V.	—	General Pathology
" "	VI.	—	Applied Pathology
" "	VII.	—	Clinical Pathological Conference
" "	VIII.	—	Special Oral Pathology and Bacteriology for Medical Students

INTERNAL MEDICINE.

Medicine	I.	—	Physical Diagnosis
" "	II.	—	Differential Diagnosis
" "	III.	—	Neurology and Psychiatry
" "	IV.	—	Internal Medicine
" "	V.	—	Dermatology
" "	VII.	—	O.P.D. and Interne Work

PEDIATRICS

Pediatrics	I.	—	Medical Pediatrics
"	III.	—	Applied Oral Pediatrics for Medical Students

HYGIENE AND PUBLIC HEALTH.

Hygiene and Public Health	I.	—	Public Health Hygiene
Hygiene and Public Health	II.		Preventive Dentistry for Medical Students

SURGERY.

Surgery	I.	—	Surgery
"	II.	—	Surgery
"	III.	—	Orthopedics and Bone Surgery
"	IV.	—	Venereal Diseases
"	V.	—	Roentgenology
"	VI.	—	Operative Surgical Technique
"	VII.	—	Interne Work

OBSTETRICS AND GYNECOLOGY.

Obstetrics and Gynecology	I.	—	Theory and Practice of Obstetrics and Gynecology
Obstetrics and Gynecology	II.	—	Practical Work in Obstetrics and Gynecology

OPHTHALMOLOGY AND OTOLARYNGOLOGY.

Ophthalmology	I.	—	Ophthalmology
Ophthalmology	II.	—	Clinical Opthalmology
Otolaryngology	I.	—	Otolaryngology
Otolaryngology	II.	—	Clinical Otolaryngology

ORAL SURGICAL TECHNOLOGY.

IX. Oral Surgical Technology for Medical Students

ORAL MEDICINE AND SURGERY.

VII. Oral Medicine and Surgery for Medical Students

THERAPEUTICS.

Therapeutics	I.	— Dietetics
Therapeutics	II.	— Principles of Therapy
Therapeutics	III.	— Physiotherapy

TECHNICAL ENGLISH.

I For Medical Students

JURISPRUDENCE, ETHICS, HISTORY.

I. — Medical Jurisprudence
III, — Medical Ethics
V. — History of Medicine

FINAL YEAR THESIS.

INTERNE YEAR.

A year of twelve months rotating interneship between the clinical departments. The work of the interne in this year of practical instruction will be supervised by the head of the department in which he is working,

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DENTISTRY.

Summary of Required Courses in Dentistry.

ANATOMY.

Anatomy	I.	Osteology
" "	II.	Gross Anatomy
" "	III.	Histology
" "	IV.	Embryology
" "	VI.	Odontal Anatomy
" "	VII.	Applied Oral Anatomy
" "	VIII.	Comparative Oral Anatomy
" "	IX.	Oral Histology & Embryology

BIOCHEMISTRY.

Biochemistry	I.	Biochemistry
" "	II.	Applied Oral Biochemistry

PHYSIOLOGY & PHARMACOLOGY.

Physiology	I.	Human Physiology
" "	II.	Journal Club
" "	III.	Neurology
" "	V.	Oral Physiology
Pharmacology	VII.	Materia Medica and Pharmacy
" "	VIII.	Pharmacodynamics
" "	IX.	Applied Oral Materia Medica

PATHOLOGY AND BACTERIOLOGY.

Pathology	I.	Bacteriology and Immunology
" "	III.	Clinical Biochemistry
" "	IV.	Hematology
" "	V.	General Pathology
" "	VII.	Cl. Path. Conference (5th Yr.)
" "	VIII.	Oral Pathology
" "	IX.	Oral Microbiology

COURSE IN DENTISTRY YEARS

Department.	Subject	First year		Second year		Third year		Fourth year		Fifth year		*Total*	*Total*
		Fall	*Spring*	*Fall*	*Spring*	*Fall*	*Spring*	*Fall*	*Spring*			*Subject*	*Group*
English	General	54	45	54	45	18	15					231	
	Technical	36	30	36	30	18	15					165	396
Anatomy	Gross Anatomy	342	285									627	
	Gen. Histology	108	45									153	
	Gen. Embryology		45									45	
	Oral Histo-Anatomy					90						90	
	Applied Oral Anatomy							72	15			87	
	Comp. Oral Anatomy							36				36	
	Odontal Anatomy			90	15							105	1143
Biochemistry	Biochemistry	126	120									246	
	Oral Biochemistry							18				18	264
Physiology and Pharmacology	Physiology 1,			306								306	
	Oral Physiology							36	30			66	
	Neurology				30							30	
	Pharmacology				135							135	
	Pharmacy & M. Medica			72								72	
	Oral Mat. Medica								15			15	642
Pathology	Gen. Pathology				90	162						252	
	Gen. Bacteriology			126								90	
	Oral Pathology						75					126	
	Oral Microbiology				45							45	462
	Hematology				30							30	
	Clinical Biochemistry				90							90	
	Clinical Pathology					72						72	192
Medicine	Physical Diagnosis				60							60	
	Medicine					144	120					264	324
Surgery	General Surgery					144	120					264	264
Hygiene Public Health	Hyg. & Pub. Health								75			75	
	Oral Hyg. & Prev. Dent.							36	30			66	141
Otolaryngology	Otolaryngology							36				36	36
Oral Laboratory Technology	App. Physics & Tech.					72	60					132	
	Metallurgy						15					15	
	Instrumentology								15			15	
	App. Photography							18				18	180
Oral Surgical Technology	Anaesthesia								15			15	
	Oral & Exodont. Tech.								15			15	
	Odontal Surg. Tech.							108	60			168	
	Parodontal Tech.								15			15	
	Prosthodontal Tech.					36	15	72	60			183	
	Orthadontal Tech.								15			15	
	Elec. Diag. & Therap.							18	15			33	
	Animal Oper. Surg.								15			15	459
Oral Medicine and Surgery	Odontology						30	36	30			96	
	Oral Surg. & Med.							54	45			99	
	Parodontology							18	15			33	
	Orthodontology							18				18	
	Oral Diagnosis							18	15			33	
	Prosthodontology *A*						15	36	15			66	
	Prosthodontology *B*							36	15			51	396
Pediatrics	App. Oral Pediatrics							18				18	18
Special Subjects	Jurisprudence & Ethics								30			30	
	Dental History								15			15	
	Dental Practice							18				18	63
Clinical Dent.	Operative Clinics & Interne yr.								30	1800		30	1830
	Total	666	570	666	570	666	570	702	600	1800		6810	6810

INTERNAL MEDICINE.

Medicine	I.	Physical Diagnosis
" "	II.	Differential Diagnosis
" "	IV.	Internal Medicine

SURGERY.

Surgery I		Surgery

ORAL SURGICAL TECHNOLOGY.

Surgical Technology	I.	Anaesthesia Technology
" " "	II.	Oral Surgery Technology
" " "	III.	Odontal Surgery Technology
" " "	IV.	Parodontal Surgery Technology
" " "	V.	Prosthodontal Surgery Technology
" " "	VI.	Orthodontal Surgery Technology
" " "	VII.	Oral Electro-Diagnosis and Therapeutics
" " "	VIII.	Animal Operative Surgery

ORAL LABORATORY TECHNOLOGY.

Laboratory Technology	I.	Applied Physics & Technology
" " " "	II.	Metallurgy
" " " "	III.	Oral Instrumentology
" " " "	IV.	Oral Technical Drawing
" " " "	V.	Applied Oral Photography

ORAL MEDICINE & SURGERY.

Medicine & Surgery	I.	Odontology
" " "	II.	Oral Surgery & Medicine
" " "	III.	Parodontology
" " "	IV.	Orthodontology
" " "	V.	Oral Diagnosis
" " "	VI.	Prosthodontology, *a* and *b*

PEDIATRICS.

Pediatrics	II.	Oral Pediatrics

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HYGIENE & PUBLIC HEALTH.

Hygiene & Public Health I. Public Health & Hygiene
Hygiene & Public Health III. Preventive Dentistry

OTOLARYNGOLOGY

Ophthalmology and

Ophthalmology and Otolaryngology I. Ophthalmology and Otolaryngology

CLINICAL DENTISTRY.

Clinical Dentistry I. Oral Operative Clinics
" " " II. Interne Year

THERAPEUTICS.

Therapeutics I. Dietetics

TECHNICAL ENGLISH.

II. For Dental Students

JURISPRUDENCE, ETHICS, HISTORY, PRACTICE.

II. Dental Jurisprudence
IV. Dental Ethics
VI. History of Dentistry
VII. Dental Practice and Economics
Final Year Thesis

INTERNE YEAR.

A year of twelve months rotating interneship between the clinical departments. The work of the interne in this year of practical instruction will be supervised by the several heads of the departments in which he rotates.

DEPARTMENT OF ANATOMY.

Morse, W. R., B.A., M.D., C.M., LL.D., F.A.C.S., *Head of the Department*
Chang, M.C., B.S.
Morse, A. C.
Agnew, R. G., B.A., M.Sc. (Dent.), L D.S., D.D.S., F.I.C.D.
*Lindsay, A. W., L.D.S., D.D.S., B.Sc. (Dent.), F.A.C.D.
Yen Y., M.D.

Students entering upon the work of this department are required to furnish at their own expense:—

(*a*) Oil-cloth aprons and sleeves.

(*b*) Dissecting instruments, approximate cost $10.00.

(*c*) Sets of bones may be rented at $2.00 per set per year.

The following courses of instruction are offered:—

Anatomy I.

OSTEOLOGY. W. R. Morse, Y. Yen, A. C. Morse.

This course includes a thorough drilling on the bones of the human body; some comparative anatomy of the bones of domestic animals; the bony landmarks of the human body; drawings of human bones and considerable anthropological data and physical measurements.

Anatomy II.

GROSS ANATOMY. W. R. Morse, Y. Yen,

Gross Anatomy is taught during the first year, but it is also closely correlated with the later years of the course

through demonstrations and lectures in Applied Anatomy during the third year.

Histology and Embryology are also taught in the first year.

The object of this course is not to train anatomists but to teach and inspire undergraduates to become general practitioners.

In gross anatomy groups of four to six students are given one body which they completely dissect, as far as possible in continuity. Similar parts are dissected simultaneously on all bodies in the dissecting room and a careful comparative study of all tissues, organs, anomalies, etc., is compulsory. Tables of comparisons of the bodies are prepared and illustrated by the students.

Instructors are in the dissecting room at all times but the student is given ample opportunity to develop individuality.

Students are assigned special anatomical problems and are required to give written and pictorial evidences of their findings. These problems are along the line of research and the aim is to encourage independent thinking. These problems compel the student to examine and compare findings in all the bodies.

Students are required to make frequent drawings of their own dissections with special emphasis on all abnormalities that are found. They are also required to make drawings of cross sections of male and female bodies. Complete sets of these cross sections are available.

No stated courses of lectures are given. Notes are given on a correlated study of all the tissues from the brain to the finger. Frequent informal talks with practical demonstrations of applied significance of the student's own dissection are given. Gross pathology found in the subjects is made the basis of short explanatory discussions. Broad, not particular, surgical procedures are occasionally demonstrated. Blackboard notes are frequently written on special regions, structures, methods, etc. Special anatomy note-books containing the blackboard work and the student's own drawings are required.

This course definitely attempts to correlate the anatomy department with all the clinical departments. Little theory but much practice is our goal.

English terms are freely used and lecture talks are given both in the Chinese and English languages.

Examinations, oral and written, are held as considered necessary. Final marks depend largely on the proficiency, skill and conduct of the student in the dissecting room.

Text and Reference Books:—The following are in constant use in the dissecting room:

In Chinese—Cunningham's Practical Anatomy, Gray's Anatomy and Rawling's Landmarks and Surface Markings.

In English—Gray, Deaver, Morris, Cunningham, Toldt, Sabotta and McMurrich, Eycleshymer and Jones Radash, Santee, Arev, Edinburgh Stereoscopic Anatomy, Piersol's and Frohse Charts, Spalteholtz, and Morse's Anatomy Notes.

In French– Poirier, Charpy and Nicholas.

Also books in *Applied Anatomy* by Campbell, Davis, Treves, Skirving etc.

Anatomy III.

HISTOLOGY. M. C. Chang,

First year; six hours per week in Fall Term and three hours per week in Spring Term. A course of lectures with practical work, including the preparation and examination of slides. Text: "Histology", Lewis-Shield; Reference: "Normal Histology," Piersol.

Anatomy IV.

EMBRYOLOGY, M. C. Chang

Second year; three hours per week, in Spring Term. Special reference is made to the embryos of amphioxus, frog, chick, pig and man, In the practical work, careful studies are made of transverse and sacgittal section of the embryos of the frog, chick and pig. Reference: "Laboratory Text Book of Embryology," Minot; "Atlas D'Embryologie," Duval, "Text Book of Embryology," Bailey & Miller. "Human Embryology, Kiebel & Mall.

Anatomy V.

ORAL ANATOMY—MEDICAL STUDENTS. *Ashley W. Lindsay

A brief course emphasizing such phases of oral anatomy as will familiarise the medical student with the dental field will be given.

Anatomy VI.

ODONTAL ANATOMY. T. C. Hwang

The course consists of both didactic and laboratory instruction. The student will be given opportunity by modeling and carving to perfect his ability to secure form, proportions and relationships of the teeth.

Anatomy VII.

APPLIED ORAL ANATOMY. *Ashley W. Lindsay

The course will begin with a review of the anatomy of the base of the Cranium, the Face and the Neck. Landmarks and structures will be studied to prepare the students to take up the study of Surgical Techniques. Diagnostic Interpretations and Regional Anaesthesia.

Anatomy VIII.

COMPARATIVE ORAL ANATOMY. *Ashley W. Lindsay

The subject will be treated from the evolutionary, anthropological, and endocrinal standpoints.

Anatomy IX

ORAL HISTOLOGY AND AMBRYOLOGY R. G. Agnew

Didactic instruction covers the embryology of the various oral structures, the growth of the jaws, and the minute study of the histological characteristics of the teeth, their investing tissues, and adjacent structures. This is illustrated in the non-decalcified and decalcified laboratory with microscopic material. In addition the student is taught to perform the simpler procedures in the preparation of oral tissues for microscopical examination.

Reference Works: Orban, Gottlieb, Noyes, Beust Bodeckver, Mummery, Churchill.

For introductory course in Physiology to students of anatomy see Physiology.

DEPARTMENT OF BIOCHEMISTRY.

Collier, H.B., M.A., Ph.D. *Head of the Department*
Agnew, M.C., M.A.
Djang, U.T., B.S.

Biochemistry I.

ELEMENTARY BIOCHEMISTRY. H. B. Collier

Lectures, 2 hours per week during the Fall Term, 3 per week in the Spring Term. Laboratory, 5 hours per week throughout the year. First Year.

A course in elementary Biochemistry, including the chief properties of biochemical materials, and the fundamental principles underlying biochemical reactions. Special emphasis is laid on the physico-chemical properties of protoplasm.

The laboratory course includes experiments to illustrate the chemical properties of biochemical materials, and selected quantitative methods.

Texts: Cameron: "Textbook of Biochemistry."
Bodansky & Fay, "Laboratory Manual of Physiological Chemistry.

Reference: Bodansky, "Introduction to Physiological Chemistry."

Mathews, "Physiological Chemistry."

Hawk & Bergeim, "Practical Physiological Chemistry."

Cole, "Practical Physiological Chemistry."

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Biochemistry II.

ADVANCED BIOCHEMISTRY. H. B. Collier

Two lectures and five hours laboratory per week throughout the year. This course may be given to advanced students in Science, and other special students.

About one half of the lecture course is devoted to nutrition. The remainder of the course includes special aspects of biochemistry, such as hydrogen-ion concentration, enzymes, biological action of light.

The laboratory course lays special emphasis on quantitative and physico-chemical methods, as applicable to biochemical research.

Texts: Luck: "Science of Nutrition."
Sherman: "Chemistry of Food and Nutrition."
McCollum & Simmonds: "The Newer Knowledge of Nutrition."
Pryde: "Recent Advances in Biochemistry."
Clark: "The Determination of Hydrogen Ions."

Biochemistry III.

APPLIED ORAL BIOCHEMISTRY FOR MEDICAL STUDENTS. M. C. Agnew

The course will emphasize dental requirements of pre- and post-natal nutrition, and the chemical phases of such diseases as dental caries, scurvy, noma, Vincent's infection and periodontal pathosis.

Biochemistry IV.

APPLIED ORAL BIOCHEMISTRY. M. C. Agnew

This course takes up the newer knowledge of nutrition in its special dental relations. Also enlarges on the chemical phases of health and disease as related to the oral cavity and the teeth.

DEPARTMENT OF PHYSIOLOGY AND PHARMACOLOGY.

*Kilborn, L. G., M.A., M.D., Ph.D. *Head of the Department.*
Feng, D. R , B.S. *Acting Head of the Department.*
Meuser, N. E., Phm.M., Phar.D.
Pen, D. F., B.S.
*Lindsay, A. W., L.D.S., D.D.S., B.Sc. (Dent.), F.A.C.D.
Yang H. S., B.S. (Pharm).

This department offers the following courses of instruction. Although most of the courses are primarily designed for students in the College of Medicine and Dentistry, any of them are open to students of Arts or Science who have the necessary scientific training.

Course XI is especially designed for students who wish to make a life-work of Physiology or Pharmacology, and is open to senior students in the Department of Biology who have completed Physiology II, or to students of Medicine or Dentistry who have completed their preclinical studies and wish to spend a year or more in research before entering upon their clinical work.

Throughout the session oral and, as may be necessary, written examinations are held to ascertain the extent of the student's knowledge of the subject, and the results of these, as well as his general work in the laboratory will be used to determine his final standing.

Physiology I. L. G. Kilborn

An introductory course given to the Anatomy class to correlate function with structure. One hour a week throughout the first year.

Physiology II.

HUMAN PHYSIOLOGY. *L. G. Kilborn, D. F. Pen, D. R. Feng.

Six lectures and ten hours of laboratory work a week throughout the Fall term, third year.

The lecture course deals briefly with some aspects of general physiology, and then takes up the study of the physiology of the human body with especial emphasis on the physiological bases of clinical phenomena, such as shock, edema, abnormalities of heart rhythm, dyspnoea, glycosuria, deficiency diseases, diseases of the glands of internal secretion, etc.

The aim of the laboratory course is to familiarize the student with the procedure that must be followed in the solution of typical problems in physiology. The early experiments are made as simple as possible, and make use of the nerve muscle preparation of the frog and the turtle heart. These serve admirably to introduce the student to the quantitative study of animal function, and to teach him something of the behavior of the living as opposed to dead matter. Following this, the class is divided into small groups, each of which is a unit for carrying on mammalian experiments. In rotation each member of each group is anesthetist, surgeon, assistant surgeon, etc. Experiments of considerable difficulty are undertaken, but the work is done by the students themselves under the supervision of an instructor. A very few of the most difficult experiments may be carried out by the instructor as demonstrations. Wherever possible human subjects are used for experiments, the students themselves acting as subjects.

Physiology III.

JOURNAL CLUB. Staff of the Department.

One hour a week throughout the Fall term of the second Year. Each student is required to prepare and read a paper on an assigned subject at least once during the term. Subjects are assigned from the periodical liberature, and are chosen because of current or historical interest. Following the reading of the paper, staff and students join in discussion of

the subject presented. It is hoped that this journal club will help to familiarize the student with scientific journals, and also assist in the development of a critical attitude towards what he reads.

Physiology IV.

NEUROLOGY. *L.G. Kilborn

Two hours a week for the Spring term of the second Year. This is a lecture and demonstration course designed to familiarize the students with the physiological and anatomical bases of clinical neurology, together with an outline of the methods used in the physical examination of the central and autonomic nervous systems.

Physiology V.

ORAL PHYSIOLOGY FOR MEDICAL STUDENTS. *Ashley W. Lindsay

The physiology of mastication, deglutition, respiration and speech will be stressed, particularly in relation to occlusion and to facial growth and form.

Physiology VI

ORAL PHYSIOLOGY. *Ashley W Lindsay

This course will stress the function of the temporo-mandibular joint, the jaws, teeth, tongue, lips and cheeks, muscles of mastication, saliva, speech, etc.

Textbooks: *Halliburton*, "Handbook of Physiology" (Chinese edition); Evans and Kilborn, "Experimental Physiology" (Chinese).

Reference Books: Macleod, "Physiology and Biochemistry in Modern Medicine." (This book should be owned by each student, if possible.)
Textbooks by Howell; Starling: Bayliss.

Textbook in Neurology: Ranson, "The Anatomy of the Nervous System."

Reference Books in Neurology: Herrick, "An Introduction to Neurology," Tilney and Riley, "The Form and Functions of the Central Nervous System," and other monographs by Sherrington; Pavlov; Gaskell; Hewer & Sandes; Bianchi; Parker; Villiger.

Physiology VII

COLLEGE PHYSIOLOGY — *L. G. Kilborn, D. F. Pen, D. R. Feng.

This course consists of three lectures and four hours of laboratory work per week for the Fall term. It is open to students of Pharmacy and other departments in Arts and Science who have had training in general biology and chemistry. The course is sufficiently detailed to enable the pharmacy student to understand the action of drugs in altering physiological processes, when he comes to the study of pharmacology, yet it is also planned to give the student of general arts or science an appreciation of the mechanism of the body as a whole.

Text and Reference Books:—Halliburton's "Handbook of Physiology" (Chinese); Burton-Opitz, "Elementary Manual of Physiology;" Best and Taylor. "The Human Body and its Functions."

Labaratory Manual—Evans and Kilborn (Chinese).

Pharmacology VIII.

MATERIA MEDICA. — H. S. Yang

Two hours a week for the Fall term of the second year. The course deals in detail with all the drugs mentioned in "Useful Drugs." In addition, certain other new remedies are discussed.

PHARMACY. — E. N. Meuser

Two hours a week for the Fall term of the second year. This is a lecture and laboratory course on pharmaceutical

technic, the writing and compiling of prescriptions, and the study of physical, chemical and pharmaceutical incompatibilities.

Pharmacology IX.

PHARMACODYNAMICS. — *L. G. Kilborn, D. R. Feng D. F. Pen,

Three lectures and six hours of laboratory work a week throughout the Spring term, second year.

The physiological action of drugs is studied from the theoretical and practical standpoints. The laboratory course makes use of frogs, turtles, mammals and the students themselves in a study of the modification of physiological functions by drugs and poisons. Such Chinese drugs as have been investigated are included in the course.

Pharmacology X.

APPLIED ORAL MATERIA MEDICA. — *A. W. Lindsay

This course covers use, dosage, physiological action of drugs which are especially applicable to dental practice.

Text-books: "Useful Drugs", (Chinese).
Bruce and Dilling, "Materia Medica", (Chinese).
Clark, "Applied Pharmacology", (English).
Edmonds and Cushny, "Experimental Pharmacology" (Chinese).
Read, "Manual of Toxicology" (Chinese).

Reference Books:
Textbooks by Cushny, Sollman, Meyer and Gottlieb (Henderson's Translation.)
Laboratory Manuals by Bush, Sollman, Jackson, Barbour.
Autenrieth. "Detection of Poisons."
Stuart "Chinese Materia Medica."
Read, "Chinese Materia Medica."

Pharmacology XI.

PHARMACEUTICAL CHEMISTRY. D. R. Feng

Two hours lectures and three hours of laboratory work for one year. This course is compulsory for students in the Department of Pharmacy of the College of Science, but may be elected by others with the necessary prerequisites.

The course includes the chemistry of both inorganic and organic drugs, with methods of identification, purification, preparation, and assay.

Textbook:—Bentley and Driver, "Textbook of Pharmaceutical Chemistry."

Reference Books:—Jenkins and Du Mez, "Quantitative Pharmaceutical Chemistry;"
Fourneau, "Organic Medicaments and their Preparation;"
Rogers, "Inorganic Pharmaceutical Chemistry."

Physiology and Pharmacology XII.

RESEARCH. Directed by the Staff

Research is constantly being conducted in the department. Special problems are set and the work supervised for students of Medicine or Dentistry who have completed the first two years of the regular course and wish to spend an extra year in research work in this department. For men who wish to become university teachers in any of the pre-clinical sciences such a year of work is especially recommended.

DEPARTMENTS OF PATHOLOGY.

Including Bacteriology, Clinical Biochemistry, Hematology, and Parasitology.

Williams, T. H., M.D., C.M., D.T.M. & H. London, *Head of Division I*
Agnew, R.G., B.A., M.Sc.,(Dent), L.D.S., D.D.S., F.I.C.D., *Head of Division II*
Hu, Y. T., B.A., M.D.,
Anderson, H. G., M.B., B.S., M.R.C.P. (London).
Du, S. D., M.D.
Lenox, J. E., B.S., M.D.

Division I.

Pathology I.

BACTERIOLOGY AND IMMUNOLOGY. J. E. Lenox

Second year, Fall term, seven hours per week.

(*a*) Lectures. These include the history, development and scope of bacteriology, methods of culture and study, classification and biological properties of bacteria and their part in disease processes, in industry and in assisting natural processes. Special detailed study is given to those organisms met with in medical practice and in epidemics occurring in the Orient. The relation of bacteriology to Public Health and to commerce, theories and types of immunity, and serum reactions are described.

(*b*) Laboratory. This course includes general laboratory technique, staining, the making of media, the cultivation and examination of bacteria, the identification of the more common forms of pathogenic micro-organisms, and the making of vaccines.

Pathology II.

PARASITOLOGY. S. D. Du, Y. T. Hu.

Second year, two hours per week in the Fall term and three hours per week in the Spring term.

(*a*) A complete course on the biological, clinical, and preventive aspects of the animal parasites of men, their intermediate and reservoir hosts and vectors with demonstrations and student diagnosis of fresh and preserved material.

(*b*) An opportunity is offered for intensive study of parasite infestation in this province.

Pathology III.

CLINICAL BIOCHEMISTRY. Y. T. Hu

Second year Spring term, five hours a week. This course includes the chemical methods employed in the clinical laboratory examination of blood, urine, gastric contents, etc.

Textbook:—Stitt, "Blood Work and Body Fluids" (Chinese).

Reference Book:—Todd and Sanford,—"Clinical Diagnosis by Laboratory Methods" (English).

Pathology IV.

HEMATOLOGY. H. G. Anderson, Y. T. Hu

Second year, Spring term, two hours per week.

This course is practical rather than theoretical and includes all the commonly used methods of investigation of the blood cells.

Pathology V.

GENERAL PATHOLOGY. T. H. Williams

Six hours per week in the Spring term, Second year.

A series of lectures and demonstrations in gross and histological morbid morphology, illustrated by museum specimens and microscopic slides, together with instruction in the preservation of tissues, section cutting and staining.

Pathology VI.

APPLIED PATHOLOGY. T. H. Williams,

Eight hours per week in the Fall Term Fourth year.

Four hours per week in the Spring Term Fourth year.

A series of lectures and demonstrations illustrated as in General Pathology by specimens dealing with the pathological findings in Internal, Surgical (including tumours), Obstetrical, Gynecological, Ophthalmological, Oto-rhino-laryngological and allied disease. Where possible, post-mortem demonstrations will be given.

Pathology VIII.

CLINICAL PATHOLOGICAL CONFERENCES.
The Pathological and Clinical Staffs

One hour weekly during the Third and Fourth years. Joint conferences on such instructive cases and autopsy material as is available, the clinical presentation being made by the internes concerned,

Text-books:—

Zinsser's Bacteriology (Chinese).
Stitt's Practical Bacteriology, Parasitology and Blood Work (Chinese).
Stengel's Pathology (Chinese).
Clinical Methods—Hutchinson and Rainy (Chinese).

Reference Books:—

Boyd's Surgical Pathology and Pathology of Internal Disease.
McCallum's Pathology

Recent Advances in Haemocytology
Mackie's introduction to Bacteriology
Stitt's Practical (Clinical) Pathology
Yorke's Parasitology
B.M.R.S. System of Bacteriology
Sahli's Diagnostic Methods

Division II

Pathology VIII.

ORAL PATHOLOGY. R. G, Agnew

Subsequent to the course in General Pathology a lecture course with demonstrations is given dealing with the diseases of the mouth. The study includes pathological conditions of the enamel, dentine, pulp, pericementum, cementum, gingivae, alveolar and supporting bone, oral mucosa, etc. In addition to characteristic lesions of the mouth, and oral manifestations of systemic disease, systemic disease resultant from oral foci of infection receives special attention.

The laboratory course illustrates the more important aspects of oral histopathology, utilizing non decalcified and and decalcified microscopic material. Methods of preparation of pathological material for examination are demonstrated, and the student is taught to perform the most useful of these processes.

Collateral reading from crruent dental and medical literature is assigned.

Pathology IX.

ORAL MICROBIOLOGY. R. G. Agnew

Following the completion of the course in General Bacteriology and Immunology the lecture course covers a special study of the micro-organisms of the oral cavity and their relation to local and systemic disease.

Ths laboratory course includes methods of procuring material for examination and diagnosis. Routine procedures in root canal treatment, caries prevention, parodontal disease, etc., are taught,

Pathology X,

SPECIAL ORAL PATHOLOGY AND BACTERIOLOGY FOR MEDICAL STUDENTS.

The course covers a consideration of oral manifestations of systemic disease, and the relation of oral foci of infection to systemic disease. Oral diseases *per se* are briefly discussed.

Research: Research in the field of dental and oral pathology is regularly carried on, and members of the College staff or students with suitable qualifications are invited to undertake the investigation of specific problems under the supervision of the head of the division.

Text and Reference Works: Kronfeld. Bunting, Gottlieb, Box, Marshall, Goadby, Moorehead & Dewey, Appleton, Black, Fish, Orban, Colyer, Bulleid, Bodecker, Euler & Meyer, Haupl & Lang, Prinz, Haden, Siegmund & Weber, Stillman & McCall, Beust, Hopewell-Smith, Rosenau, Waldron, Cahn, etc.

DEPARTMENT OF INTERNAL MEDICINE.

Best, A.E., B.A., M.D., *Head of Department.*
Anderson, H. G., M.B.; B.S., M.R.C.P., (London).
Du, S. D., M.D.
Lenox, J, E., B.S,, M.D-
*Kilborn, R. G., M.D., C.M.
*Millar, J. E., M.D.

Medicine I.

PHYSICAL DIAGNOSIS.

Four hours per week in the Spiring Term of the Second year. A correlation of lectures and ward-word outlining the causation and interpretation of physical findings in health and disease, stressing the fundamental principles involved in the causation and variation of symptoms. Instruction in history-taking is included.

Medicine II.

DIFFERENTIAL DIAGNOSIS.

Two hours per week in the Fall Term of the Third year. Symptomatology from the point of view of the basic pre-clinical sciences is dealt with in a series of lectures whose aim is the consolidation and application to clinical medicine of these sciences.

Medicine. III.

NEUROLOGY A.

See Physiology III. This course is given in the Department of Physiology and Pharmacology.

NEUROLOGY B.

Two hours per week in the Fall Term of the third Year.

A series of lectures and demonstrations in Clinical Neurology.

PSYCHIATRY.

One hour per week in the Fall Term of the Fourth year. A series of lectures in the theory and practice of mental disease.

Medicine IV.

INTERNAL MEDICINE. The staff of the department

Four hours per week in the Fall Term of the Third year
Eight hours per week in the Spring Term of the Third year
Eight hours per week throughout the course of the Sixth year.

a. Ward rounds in the general medical wards.

b. Medical case-taking in the general and tuberculosis wards.

c. Abstracts from recent medical text-books made by the students themselves collated and commented on by the instructor under "*d*".

d. Lectures on the medical diseases commonly met with in West China consisting of epidiascopic presentations of the above abstracts together with the type cases available and suitable commentary by the instructor. The material thus got together being afterwards corrected, typed and given to each student.

e. Set-reading in diseases for which type-cases are not available during the instruction in sections "*c*" and "*d*" above.

f. Lectures and demonstrations in intra-thoracic tuberculosis.

N.B. Attention is called to the provision of touching in the subjects listed under Therapeutics.

Medicine V.

DERMATOLOGY.

Two hours per week in the Fall Term of the Third year. A series of lectures and demonstrations in the above subject.

Medicine VII.

OUT-PATIENT CLINIC AND INTERNE WORK.

The Staff of the Department

With the exception of the interne work which is taken wholly in the final year on a rotating service this work is carried throughout the course from the Spring Term of the Third year on.

INTERNAL MEDICINE FOR DENTAL STUDENTS.

Dental student receive instruction in Internal Medicine subjects as shown below. The aim of such instruction is to outline the principles of medicine in such a way as to facilitate future cooperation with their medical colleagues.

Second Year, Spring Term, as for medical students, Medicine I.

Third Year, Fall Term, as for medical students, Medicine II.

Third Year, Spring Term, Internal Medicine, section "*d*" Medicine IV.

Dental students will take the ordinary term examination as set for medical students during the first two terms shown above, but a special examination will be set at the end of the Third year Spring Term, bearing not only on the subjects of the term but on medical principles taught throughout the course.

Text-books:—

Clinical Methods—Hutchinson and Rainy (Chinese).
Principles and Practise of Medicine– Osler (Chinese).
Insanity in Everyday Practice—Younger (Chinese).
Diseases of the Skin—Heimburger (Chinese.)

Reference-books:—

Cabot; Physical Diagnosis.
Cabot; Differential Diagnosis.
French; Differential Diagnosis.
Nelson; Loose-leaf Medicine.
Allbutt; System of Medicine.
Osler; Modern Medicine.
Tidy; Medicine.
Price; Medicine.
Cecil; Medicine.
Maxwell; Diseases of China.
Bassler; Diseases of the Digestive System.
Bruce and Dilling; Materia Medica and Therapeutics.
Rudolf; Treatment of Disease.
Manson Bahr; Tropical Medicine.
Stitt; Tropical Diseases.
Church and Peterson; Nervous Diseases.
Purves Stewart; Diagnosis of Nervous Diseases.
Fishberg; Pulmonary Tuberculosis.
Stelwagon; Diseases of the Skin.
Gulick; Mental Diseases.
Wingfield; Introduction to Pulmonary Tuberculosis.
Crocket; Physical and Radiological Signs of Pulmonary Tuberculosis.

DEPARTMENT OF SURGERY

Wilford, E.C., M.D., L.R.C.P. and S. (Edin.), F.A.C.S.
Head of the Department.
Morse, W.R., B.A., M.D., C.M., LL.D., F.A.C.S.
*Lindsay, A.W., L.D.S., D.D.S., B.Sc. (Dent.), F.A.C.D.
Yang, D.G., M.D.
Crawford, W., M.D., C.M., D.P.H.
Hsieh, H. H., M.D.
*Millar, J. E., M.D.

The Department of Surgery offers the following courses:—

Surgery I.

SURGERY. The Staff in Surgery

Eight hours per week, throughout the third year.

A systematic course of lectures is given throughout the year on the principles of surgery. There is also clinical study in the wards, operating-room, and out-door department. The students are instructed in case-taking, physical examination and diagnosis. The text-book (Rose and Carless) is followed fairly closely.

Surgery II.

SURGERY. The Staff in Surgery

Fourth year, six hours per week. Regular lectures are continued as well as more detailed and intensive instruction in wards and out-door dept. The students give anesthetics and assist at operations, and are allowed to perform minor operations. They are assigned cases in the wards, and are required to write complete histories, do laboratory examinations, and give tentative diagnoses.

Surgery III.

ORTHOPEDICS AND BONE SURGERY.
W. R. Morse, H. H. Hsieh.

Instruction in the underlying principles, proceeding from a discussion of normal functions of bones, joints and other

structures to abnormal function in disease. Training in bandaging, use of plaster of Paris, braces, methods of examination and application in individual cases.

Surgery IV.

VENEREAL DISEASES. W. Crawford

One hour per week for one term. A course of lectures on venereal diseases. Practical demonstrations of intravenous medication, prostatic examination and massage, use of special remedies. etc. The students attend and assist at the venereal diseases clinic in the O.P.D.

Surgery V.

ROENTGENOLOGY. E. C. Wilford, H. H. Hsieh

One hour per week for one term. A course of 15 lectures and demonstrations is given in X-ray work, which includes fluoroscopy, roentgenography and plate reading.

Surgery VI.

OPERATIVE SURGICAL TECHNIQUE. E. C. Wilford

A course of 2 hrs. per week for 1 term is given to the Fourth year. Operations are performed by the students, supervised by the teachers, on dogs. All the common abdominal operations are practiced. Anesthetics, asepsis, instruments, gowns, gloves, etc., are used as in the regular hospital operating rooms.

Surgery VII.

INTERNE WORK.

In addition to the regular interne duties of the fifth year the Interne is expected to attend all clinical conferences held, and definite reading is required from current medical literature. Clinical lectures only are given, as the regular lecture course, is, as a rule, completed in the fourth year.

DEPARTMENT OF OBSTETRICS AND GYNECOLOGY.

Liljestrand, S. H., Ph. B., M.D.
Head of the Department.
Cunningham, G. S., B.A., M.D.
Manly, M. E., B.A., M.D.
Hsieh, Helen Y., M.D.

Obstetrics and Gynecology. I.

THEORY AND PRACTICE OF OBSTETRICS AND GYNECOLOGY

Four hours a week throughout the third year. Lectures and demonstrations.

This course includes:

a. Anatomy and physiology of the pelvic organs.

b. Pregnancy and mechanism of normal labor.

c. Complications and diseases associated with pregnancy.

d. Etiology, pathology, symptomology, diagnosis of gynecological conditions. Principles of treatment.

Obstetrics and Gynecology II.

PRACTICAL WORK IN OBSTETRICS AND GYNECOLOGY.

Sixth year. Given at the Hospital for Women and Children. and in the Gynecologic and Prenatal Clinics of the Union Out-patient Dispensary.

a. Gynecology. As clinical clerks and internes the students study individual cases as to history, diagnosis and treatment. They also follow the pre-operative, operative and post-operative care of patients. Weekly ward rounds, quizzes and conferences. Diagnostic work in the out-patient department, with drill in History-taking and Methods of Examination.

b. Obstetrics. In the lying-in wards are given: management of parturition, care of the new-born; manikin demonstrations, ward rounds. Prenatal and postnatal clinics in the out-patient department.

c. Gynecologic and Obstetrical Pathology. Weekly meetings for the study of pathologic tissues by means of microscopes and projectors, using sections and gross specimens, with case histories. Spring Term, Fourth year.

ELECTIVE COURSES FOR INTERNES AND GRADUATES.

Obstetrics and Gynecology III.

Female Urology. Clinical demonstrations of the role of the urinary tract in gynecology and excerises in cystoscopy ureteral catheterization and radiography.

Pathology. Gross and microscopic studies, including bacteriology of the genito-urinary tracts.

Textbooks:

DeLee: Obstetrics.

Kelly: Gynecology.

Graves: Gynecology.

DEPARTMENT OF OPHTHALMOLOGY AND OTOLARYNGOLOGY.

Cunningham, E. R., M.D., C.M., D.O.M.S.
Head of Division I
*Peterson, R. A., M.S , M.D. *Head of Division II*
Lü, D. L., M.D., D.O.M.S.—*Acting Head of Division II.*

Division I. Ophthalmology.

Ophthalmology I.

OPHTHALMOLOGY — E.R. Cunningham

A combined didactic and demonstration course of forty-five hours given in the fourth year on methods of examination, use of instruments, diagnosis and treatment of diseases of the eye. Clinical material from the out-patient department will be used.

Ophthalmology II.

CLINICAL OPHTHALMOLOGY — The Staff.

During the interne year each student, in rotation, will have the opportunity for intensive study of ophthalmology while serving in the department. Under the tutelage of the staff the student will be given the opportunity to assist in the investigation and medical or surgical treatment of all patients on the service. A large part of the student's time will be spent in the out-patient clinic observing and assisting in the examination, diagnosis and treatment of patients. Emphasis will be placed upon the evidence of general systemic disease as seen in the eye.

Textbook: Disease of the Eye—May (Chinese edition).

Reference: Diseases of the Eye—De Schweinitz.
Diseases of the Eye—Parsons.
Text Book of Ophthalmology—Fuchs (Duane)

Division II. Otolaryngology.

Otolaryngology I.

OTOLARYNGOLOGY — *R. A. Peterson D. L. Lü.

A lecture and demonstration course of 54 hours in the Fourth year. The course covers the special anatomy and physiology of the ear, nose and throat in its application to the various abnormal conditions seen in the clinic. Methods of examination, diagnosis and treatment of the various pathological conditions will be correlated through special studies, lectures and clinical demonstrations. Fourth year students will attend in rotation at least 24 hours of outpatient clinics.

Otolaryngology II.

CLINICAL OTOLARYNGOLOGY. — The Staff

A clinical course of 72 hours for the Fifth year students. This will be an applied course using the outpatient ward and surgical services as a basis for study of the application of the various measures necessary to efficiently treat the more usual otolaryngological conditions.

Textbook:—Portor, "Diseases of the Throat, Nose and Ear" (Chiuese).

Reference Books:—

Turner, "Diseases of the Throat, Nose and Ear"
Phillips, "Diseases of the Ear, Nose and Throat".
Kerrison, "Disease of the Ear".

Graduate Study in Ophthalmology and Otolaryngology.

The Department of Ophthalmology and Otolaryngology gives a graduate course of two years duration. Two applicants are accepted on the first of July of each year. The course is open to graduates of medical colleges recognized by the Chinese Medical Association who have completed at least one year's interneship in an approved hospital. During the first year the incumbent serves as assistant resident. The second year the student acts as resident, both years being spent at the Chengtu Eye, Ear, Nose and Throat Hospital, where the clinical teaching and research activities of this department are carried on. A thesis is required during the second year and a diploma is granted by the West China Union University on the satisfactory completion of the course. and final examination.

In the Division of Ophthalmology, the elementary science underlying the study of ophthalmology, will constitute the basis of study for the first year. Anatomy, including Embryology and Histology, Physiology, including Physiological Optics and Biochemistry and Pathology and Bacteriology. will be studied during the first year in their relation to the eye as an integral part of the body mechanism. Elementary Optics will be also covered this first year. During the second year, courses. demonstrations and clinics will be given in the following subjects; External Disease of the Eye, Refraction, Diseases of the Retina and Optic Nerve. Disease of the Uveal Tract. Diseases of the Retina and Optic Nerve, Perimetry, Medical Ophthalmology, Slit Lamp Microscopy, Ultra-Violet therapy as applied to the Eye, Motor Anomalies with especial emphasis on the various forms of reatment of Squint, Radiology as applied to eye conditions and Operative Surgery of the Eye.

In this course, graduate work in the Division of Otolaryngology will, during the first year. concentrate on the coordination of the basic principles of Anatomy, Physiology, and Pathology as related to the Ear, Nose and Throat. Special emphasis will be laid on the application of the principles of physics and chemistry as exemplified in the structure and functions of the constituent areas under study. A detailed study and dissection of the head and neck will be made. The student will make a collection of plaster casts from his dissection, from anatomical specimens and from patients to illustrate anatomical and pathological relations. The dispensary and inpatient services will be fully utilized in the clinical application of the various principles studied. In the second year, an intensive survey of the field of otolaryngology will be made utilizing laboratory and clinical demonstrations, lectures and required reading. Operative surgery will be taught beginning with anatomical specimens and continuing in the laboratory and in the operating room clinics. Full use will be made of clinical and pathological laboratory facilities in diagnosis and study. Various forms of light therapy, ultraviolet therapy, the use of radiological measures in diagnosis and treatment, and studies on the relation of diet and environment to deviations from the normal will be made.

It is expected that other Departments of the University will cooperate in the giving of courses of lectures on the relation between their departments and the fields of ophthalmology and otolaryngology. In addition to his collection of casts, each student will have a collection of microscopic slides from various cases studied throughout the two years. Definite problems in sequence will be assigned for study and every facility will be afforded for making original investigations. A stipend conforming to the scale of University salaries for these grades of appointment will be paid to the incumbent.

Graduate students for shorter periods will be admitted to any of the undergraduate courses and and to parts of the two year graduate course. Intensive courses planned to suit the individual needs of the applicant may be arranged in the department. The student should consult the general section of this catalogue for information concerning fees for post-graduate work in this department.

Texts and Reference books include the following:—

Anatomy of the Human Orbit—Witnall.

The Development of the Human Eye—Mann

Anatomy and Histology of the Human Eye Ball—Salzmann

Recent Advance in Ophthalmology--Duke, Elder
Human Physiology—Starling
Medical Ophthalmology—Foster Moore, Knapp
An Introduction to Clinical Perimetry—Traquir
Diseases of the Eye—Parsons
Koby's Slit Lamp Microscopy of the Living Eye—Goulden and Harris.
Refraction of the Eye—Goulden
Pathology and Bacteriology—Collines and Mayou
Ophthalmology—Fuchs
Diseases of the Eye—De Schweinitz
Tropical Ophthalmology—Elliott
Ophthalmic Surgery—Meller
Neoplastic Diseases—Ewing
Operative Surgery of Nose, Throat and Ear—Loeb
Diseases of the Ear—Kerrison
Plastic Surgery—Gillies
Diseases of the Nose, Throat and Ear—Jackson and Coates.
Diseases of the Nose, Throat and Ear—Turner
Modern Otology—Keeler
Bronchoscopy and Esophagoscopy—Jackson
Pathology of the Nose and Throat—Beck
The Tonsil—Fowler.
Texts by Keith, Skillern, Davis, Sluder, etc., also available.

DEPARTMENT OF ORAL MEDICINE AND SURGERY

Agnew, R. G., B.A., M.Sc. (Dent.). L.D.S., D.D.S., F.I.C.D. *(Head of the Department.)*
*Lindsay, A. W., L.D.S., D.D.S., B.Sc., (Dent.), F.A.C.D.
Mullett, H. J., L.D.S., D.D.S. B.Sc. (Dent.)
Whang, T. C., D.D.S.

Medicine & Surgery I.

ODONTOLOGY.

Odontal Technology, Histology, Pathology, Physiology. Therapeutics, etc., will be reviewed and applied to a consideration of the causes, diagnosis and treatment of the diseases and lesions, the defects and malformations, of the dentine, the enamel and the pulp tissues of the teeth.

Medicine & Surgery II.

ORAL SURGERY & ORAL MEDICINE. *Ashley W. Lindsay

Diseases and lesions of the mouth and its associated structures, other than those of the teeth and their immediately associated tissues will be studied and discussed in their local, general and specific manifestations.

Medicine & Surgery III.

PARODONTOLOGY: R. G. Agnew

The course treats of the disease processes occurring in the tissues immediately surrounding or adjacent to the teeth. Application of preclinical studies in dental embryology, histology and physiology is made, and the relationship between form and function is emphasized. The etiology of the various types of gingivitis and parodontoclasia is discussed in their local and systemic aspects, and the principles and rationale of treatment are discussed. Interrelationships with other branches of dental science, and systemic lesions resulting from parodontal foci of infection are studied. The social and economic aspects of the subject, due to the general prevalence of parodontal disease in China are given special attention.

Text and Reference works: Merritt, Box, Sorrin & Miller, Stillman & McCall, Neumann etc.

Medicine & Surgery IV.

ORTHODONTOLOGY. H. J. Mullett

The course will take up bone growth and muscle function, evolutionary and racial influences, etc., of normal and abnormal occlusions. It will discuss history, etiology, diagnosis, treatment and prognosis of malocclusions of the teeth and jaws.

Medicine & Surgery V.

ORAL DIAGNOSIS. *Ashley W. Lindsay

Students are taught the principles and practice of history taking, case reports and the making of a diagnosis.

The procedures and value of making full and careful mouth examinations, using all diagnostic methods available, will be covered.

Medicine and Surgery VI.

PROSTHODONTOLOGY (*A*). H. J. Mullett

The various structures of the mouth are reviewed and discussed as they are related to artificial dentures. The whole procedure of the making of dentures is discussed under the headings of examination of the mouth, design of suitable appliances, impression taking, construction and insertion. Attention is given to retention, distribution of stresses, the study of facial types, preservation of harmony in form, color and arrangement of teeth, mandibular movements and balanced occlusion.

PROSTHODONTOLOGY (*B*). T. C. Whang

Students receive instruction in the various principles underlying crown and bridge restorations.

ORAL MEDICINE & SURGERY FOR MEDICAL STUDENTS.

The subject matter of the several oral specialties will be briefly taken up and all the co-relationships between medical and dental practice will be stressed.

DEPARTMENT OF ORAL SURGICAL TECHNOLOGY

Whang, T. C., D.D.S. *Head of the Department.*
Agnew, R. G., B.A., M.Sc. (Dent.), L.D.S., D.D.S., F.I.C.D.
*Anderson, R. M., L.D.S., D.D.S.
*Lindsay, A. W., L.D.S., D.D.S., B.Sc. (Dent.), F.A.C.D.
Mullett, H. J., L.D.S., D.D.S., B.Sc. (Dent.)

Surgical Technology I.

ANAESTHESIA TECHNOLOGY.

The course will take up the technique of all the branches of anaesthesia used in dentistry. Particular stress will be given to Regional Anaesthesia.

Surgical Technology II.

ORAL SURGERY TECHNOLOGY. *Ashley W. Lindsay

ORAL SURGERY TECHNOLOGY. *Ashley W. Lindsay

The course covers all the surgical procedures employed in the cure or eradication of diseased tissues of the mouth, other than those of Odontal Surgery and Paradontology.

Surgical Technology III.

ODONTAL SURGERY TECHNOLOGY. T. C. Whang

Techniques will be taught covering the restoration of lost tooth tissue and function; the protection of the pulp; the exclusion of moisture; root-canal surgery, etc.

Surgical Technology IV.

PARODONTAL SURGERY TECHNOLOGY: R. G. Agnew

The course covers various aspects of surgical technique as applied to the treatment of parodontal disease. This includes general prophylactic procedures; apoxesis and curettement, radical and conservative methods; application of

pressure atrophy, etc. The principles governing balanced occlusal relationships are applied in the production of gliding articulation and harmonious functioning of the teeth. Manikin technique is largely employed in the course.

Surgical Technology V.

PROSTHODONTAL SURGERY TECHNOLOGY. H. J. Mullett

(*a*) The student applies the principles set forth in his lectures on the subject: such as, the taking of impressions, construction of models, the arranging and articulating of full and partial dentures, waxing, flasking, packing, vulcanizing, finishing: construction of splints for fractured jaws, the design and construction of obturators, etc., etc.

T. C. Whang

(*b*) Techniques for the various types of crowns and bridges will also be covered.

Surgical Technology VI.

ORTHODONTAL SURGERY TECHNOLOGY.

The construction of regulating and retaining devices receive consideration.

Surgical Technology VII.

ORAL ELECTRO-DIAGNOSIS & THERAPEUTICS TECHNOLOGY.

The course is designed to teach the technique of operation and use of X-ray machines, transilluminators, pulp testers, ionization, ultraviolet-ray apparatus, infra-red and diathermy.

Surgical Technology VIII.

ANIMAL OPERATIVE SURGERY. Staff

A series of experimental operations will be conducted on dogs and other animals illustrating and employing surgical methods used in the treatment of various oral diseases.

Surgical Technology IX.

ORAL SURGICAL TECHNOLOGY FOR MEDICAL STUDENTS.

Oral techniques of value to the physician will be covered.

DEPARTMENT OF ORAL LABORATORY TECHNOLOGY.

Mullett, H. J., L.D.S., D.D.S., B.Sc. (Dent)
Head of the Department
Albertson, W.B., B.A., B.D.
Djin, H. T., B.A.
*Ngan, D. L., D.D.S.

Laboratory Technology I.

APPLIED PHYSICS AND TECHNOLOGY. H. J. Mullett

A large number of the subjects in the dental course have a definite mechanical side, Since much of the success of dental operations depends not only on the skill of the operator but also on the suitability of the materials used, an exact knowledge of their properties is requisite. It is the object of this course to consider the various handicraft manipulations with the underlying scientific basis of each.

Lectures and laboratory work cover such subjects as mechanics of solids, fluids and liquids, forces, levers, gears, friction, pressure, heat, electricity, light, motors and lathes; manipulative processes with gold, amalgam, cements, waxes, plaster, vulcanite, porcelain, steel, brass, tin, aluminum; cutting operations, sawing, filing, grinding, polishing, burnishing, plating, casting, swaging, drilling, soldering, rolling, burring, threading, strength of materials, stress, wear, lubrication, etc.

Laboratory Technology II.

METALLURGY. H. J. Mullett

The purpose of the course is to have the student become familiar with the physical and chemical properties of the metals so that he will be able to select suitable materials for his requirements and to apply the laws and principles governing the physical properties of metals in relation to the practice

of dentistry. Besides the physical properties of metals, also alloying, soldering, tempering, annealing, etc., will be considered.

Laboratory Technology. III.

INSTRUMENTOLOGY — *D. L. Ngan

This is a short course considering the various instruments used in the laboratory and at the chair in respect to their manufacture, classification of various types, cutting angles, method of use, sharpening, sterilization and care of instruments, etc.

Laboratory Technology IV.

ORAL TECHNICAL DRAWING — W. B. Albertson

This course is designed to meet a distinct need which arises in any scientific profession, both prior to, and following graduation, namely, the need for accurate illustration, and for training in the habits of accurate observation. The student is incidentally assisted in the training of the fingers, so essential in instrumentation, and in the cultivation of a sense of touch.

The course comprises—elementary perspective, freehand drawing of form and outline, elementary principles of light and shade, anatomical drawing, particularly of the head, teeth, investing structures, drawings of instruments and appliances, etc. Models, etc., are so chosen as to correlate work with the needs of the various departments.

Laboratory Technology V.

APPLIED PHOTOGRAPHY — H. T. Djin

Cameras, adjustments, lenses, shutters, screens, plates, films, lighting exposure, developing, illumination, especially of oral cavity and dental objects, enlarging and reduction; printing; lantern slides, photomicrography.

DEPARTMENT OF CLINICAL DENTISTRY.

*Lindsay, A. W., L.D.S., D.D.S., B.Sc. (Dent.), F.A.C.D.
Head of the Department
Mullett, H. J., L.D.S., D.D.S., B.Sc. (Dent.),—*Acting Head of Department*
Agnew, R. G., B.A., M.Sc. (Dent.), L.D.S., D.D.S., F.I.C.D.
*Anderson, R. M., L.D.S., D.D.S.
*Ngan, D.L., D.D.S.
Whang, T. C., D.D.S.

Clinical Dentistry I.

ORAL OPERATIVE CLINICS — Staff

During the third and fourth years students will be required to attend selected Chair-clinics. Attendance may be for observation or they may be called to act as assistants.

Ten cases of prophylaxis must be carried through to completion by each student of the fourth year.

Clinical Dentistry II.

INTERNE YEAR — Staff

The Interne year of the course in dentistry opens on the first of July and continues till the following July. Holidays: Two weeks during the summer and one week during the university mid-term vacation. Any student absent for more than one month, holidays included, shall be required to make up lost time before diploma is granted.

The student in the College Dental Infirmary or in other university hospitals is required to complete all cases assigned. Full opportunity is offered to student to acquire operative skill and to gain experience in meeting the demands of a dental practice.

DEPARTMENTS OF PEDIATRICS.

Millar, J. E., M.D. *Head of Department*
*Kilborn, R. G., M. D., C.M. Professor Emeritus.

Pediatrics I.

MEDICAL PEDIATRICS — R. G. Kilborn, J. E. Millar.

This course extends throughout the Fourth year. Further experience is obtained during the final interne year, as the student spends a portion of his time in this department.

Lectures include the normal development and growth of infants, nutrition and nutritional disorders, infant feeding and preparation of foods, and diseases of infancy and childhood. Demonstration are given of therapeutic and diagnostic methods, and bedside and outpatient clinics are held throughout the year.

Textbook: Holt.

Reference books: Brown and Tisdall, Freer, Dennett. Porter and Carter.

Pediatrics II.

APPLIED DENTAL PEDIATRICS.

Lectures will cover the normal and abnormal growth of the child's teeth and all children's dental diseases. Operative treatment, psychologic approach, care and study, etc., will be stressed.

Pediatrics III.

APPLIED DENTAL PEDIATRICS FOR MEDICAL STUDENTS.

The course will acquaint the students with the pre and postnatal mouth of the child as it relates to the dental field. The desirability for close co-operation of the two professions will be stressed.

DEPARTMENT OF HYGIENE AND PUBLIC HEALTH

Crawford, W., M.D., C.M., D.P.H.
Head of the Department.
*Lindsay, A.W., L.D.S., D.D.S. B.Sc. (Dent.), F.A.C.D.

Hygience and Public Health I.

HYGIENE AND PUBLIC HEALTH. — W. Crawford

An intensive course of 75 hours for the Fourth year students of Medicine and Dentistry, which includes lectures, demonstrations, covering History of Public Health, advances in the branches of Epidemiology, Vital Statistics, Public Health Administration, with especial attention to its application to West China. In addition, the student studies water, sewage, and sewage disposal, ventilation, school health, scoring of private and public institutions, and the inspection of and methods for food control.

In all courses the liberal use of the several epidiascopes at the disposal of the college, is made. The department has a good supply of film slides as well as glass slides, for use in the course

Hygiene and Public Health II.

PREVENTIVE DENTISTRY FOR MEDICAL STUDENTS.
Ashley W. Lindsay

The various preventive measures will be discussed and examples of western world experiments in this field will be noted.

Suggestions as to possible preventive programs for China will be covered.

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Hygiene and Public Health III.

PREVENTIVE DENTISTRY. Ashley W. Lindsay

All phases of oral health and the preventive field will be studied.

A dental hygiene program for China will be presented and discussed. Students will be required to make studies of dental health conditions in Chengtu and to prepare suggestive health programs.

Hygiene and Public Health V.

HYGIENE AND PUBLIC HEALTH. W. Crawford

A course for university freshmen, compulsory for all students outside of the college of Medicine and Dentistry. The course includes health values, nutrition, disease prevention, communicable diseases and their control, water, waste, ventilation, heating and lighting, hygiene of schools, and public buildings, scoring of same.

Here the epidiascope and film slides are made use of for the teaching course. Course includes one hour per week for the Fall term.

Hygiene and Public Health VI.

COURSE FOR THEOLOGICAL SCHOOL STUDENTS. W. Crawford

This course includes history of medicine, how we "catch" disease, control of epidemics, vaccination and immunization, first aid, health training in outstations, "Health clubs."

Hygiene and Public Health VI.

COURSE FOR MIDDLE SCHOOL STUDENTS IN UNIVERSITY MIDDLE SCHOOL. W. Crawford

The course includes studies upon the human body, skeletal, muscular, circulatory, glandular; nutrition, waste disposal, water supplies, first aid, communicable diseases, etc.

Textbyoks and Reference Books:—
Nelson's Loose Leaf Medicine, Vol, VI.
Rosenow; Fitzgerald; Overton and Denno.
Kenwood and Parker; Williams, Currie, MacNutt.

DEPARTMENT OF TECHNICAL ENGLISH.

*Kilborn, J.M., M.D. *Head of Department,*
Lenox J.E., B.S., M.D., Acting Head of Department
Best, Gertrude C.
Collier H. B.
*Kilborn, L. G.
*Peterson, V. R.
*Lindsay, Alice W.
Mullett H. J.
Mullett P. M.

I. FOR MEDICAL STUDENTS.

Technical medical and scientific English is studied throughout six years of the medical course. The objects of the course are: (1) to enable senior students and graduates to read and readily understand medical books and journals; (2) to give the senior students sufficient grasp of English to take lectures in that language and be prepared for doing post-graduate work in English-speaking institutions or countries; (3) to enable senior students to write histories and to express technical ideas in correct English.

No set course of instruction is followed, but the earlier years are devoted to the English of the pre-clinical sciences. In the clinical years use is made of Cabot's "Physical Diagnosis" and Service's "System of Case Taking." Detailed study is also made of the English of medical journals.

II. FOR DENTAL STUDENTS.

Technical Dental and Scientific English Courses are the same or similar to those given in medicine.

The courses will prepare the student to read dental literature and to take lectures in English in his last years. The graduate to keep up with the advances of the profession must be able to read technical books and journals in English.

THERAPEUTICS.

THERAPEUTICS I. DIETETICS. M.C. Agnew.

The applied physiology of nutrition as related to health and disease, and the food requirements in the various pathological states. Lectures and demonstrations.

THERAPEUTICS II. PRINCIPLES OF THERAPY.
S. H. Liljestrand & Staff.

Discussions and bedside practice of the various therapeutic principles, and the problems involved; applied physiology and pharmacology, and deviations from physiologic norms. This involves discussion of recent advances in physiology, biochemistry and pharmacology, in their practical application to the treatment of disease. This course is given in years alternating with Therap. III., to the third and fourth year classes.

THERAPEUTICS III. PHYSICAL THERAPY. S. H. Liljestrand.

Lectures and demonstrations on the use of electricity, mechanics, exercise, water, heat and cold, light, roentgen rays, and radium in the treatment of disease. Given in alternate years with Therap. II. to 3rd and 4th year classes.

JURISPRUDENCE, ETHICS, HISTORY.

I

MEDICAL JURISPRUDENCE. A.E. Best

A course of 12 lectures dealing with thanatology: the reality of death, post-mortem changes, etc., causes producing death by violence; wounds in their medico-legal relations; medico-legal aspects of the sexual functions, legitimacy, pregnancy, abortion, infanticide, rape, etc., blood stains and the examination of blood.

II

DENTAL JURISPRUDENCE. *Ashley W. Lindsay

Dental law as it applies to public and professional relations will be discussed and explained. A suggested line of procedure for the enactment of laws to regulate dental practice in China will be covered.

III

MEDICAL ETHICS. A. E. Best

A brief course of two or three lectures.

IV

DENTAL ETHICS. *Ashley W. Lindsay

The moral and social relations between the dentist and his patients: between his fellow practitioners; and between the community at large will be analysed and discussed.

V

HISTORY OF MEDICINE. A. E. Best

A course of 10 lectures outlining the development of the Science of Medicine from the earliest times to the present. The biographies of some of the men who have contributed most to the advancement of Medicine are studied.

VI

HISTORY OF DENTISTRY.

Designed to acquaint the student with the progress of dentistry and its position in the 'health program'; to attempt to link the student with world dentistry; to use native Chinese dental practice to provide examples of phases of the development of dentistry.

VII

DENTAL PRACTICE AND ECONOMICS. *Ashley W. Lindsay

The course is given with the aim of meeting the problems of the graduate in hospital and private practice. Location, furnishings, light, apparatus, office administration, etc., will be discussed.

The management of a dental practice with reference to income, expenditure and the development of its full resources will be taken up.

FINAL YEAR THESIS.

A thesis is required from all candidates for a degree. The subject of the thesis is chosen by the student after consultation with the heads of departments. The dean of the faculty in which the student is graduating will appoint an advisor to supervise the work in preparation for the thesis and the preparation of the thesis itself. The thesis, when written, must be approved first by the head of the department in which the work was done, and then by the dean of the faculty, who will then recommend it to the Committee of Studies of the University for acceptance.

Each student must select the subject for his thesis and have it approved within one month of the beginning of the fourth year. These must be completed each year by the date announced in the university calendar.

Information regarding further regulations for the writing of theses may be obtained from the registrar of the university.

GRADUATES OF THE UNIVERSITY FACULTIES.

Name		*Present Position*
	1915	
胡海雲 *Fu Hai-yuin, B.A., Philosophy.		Deceased 1923 (U.C.C.M.)
吳樹成 *Wu Shu-chen, B.A., Education.		Deceased 1917 (U.C.C.M.)
	1916	
劉子明 Liu Dzi-min, B.A., Education.		District Supt. Tzechow. District, Methodist Episcopal Church, (M.E.M.).
	1917	
幹小峯 Gan Siao-fung, B.A., Philosophy.		Pastor. Chengtu(U.C.C.M.)
	1918	
費承緒 Fay Donald, B.A, English.		B.D. from Rochester Theological Seminary. General Secretary of the Young Men's Christian Association, Chengtu.
	1919	
張凌高 Dsang Lincoln, B.A., Philosophy.		(M.A. and B.D., Ph.D., D.D.) President of Union University. (M.E.M.)
方淑軒 Fang Su-hsuen, B.A., Education.		(F.S.C.). Postgraduate work. England.
李海瀾 Li Hai-lan, B.A., Mathematics.		(M.E.M.

劉騰軒 Liu Ten-shuen, B.A., Education.	Head of the Political Department Border Development Bureau, District of Sung Pan, Li Fang, Wen Chuen, and Mong Chow. (M.E.M.)
楊重熙 Yang Chung-hsi B.A., Philosophy.	(B.D., Northwestern University). Chungking High School, Chungking. (M.E.M.)
1920	
劉藜仙 Diu Li-hsien, B.A., English.	Teaching in Union University. (U.C.C.M.)
張道平 Chang Tao-pin, B.A., Education.	Deceased 1925 (F.S.C.)
劉月亭 Liu Yue-tin, M.D.	Private practice. Junghsien, Sze.
胡承先 Fu Chen-hsien, M.D.	(U.C.C.M.) Hospital Chengtu, Sze.
李義銘 Li Ni-min, M.D.	Private practice. Chungking
顏相和 Yen Siang-ho, M.D.	Private pratice. Suifu
1921	
劉德倫 Liu Deh-len, B.S., Physics.	Union Middle School. Chengtu.
冉汝咨 Ran Ru-dji, B.S., Chemistry.	Deceased 1924. (M.E.M.)
王開基 Wang Kai-dji, M.D.	On the staff of the U.M.M. Hospital, Chaotung, Yunnan.

錢家鴻 Tsien Dja-hung, M.D.	M.E.M. Hospital. Tzechow Sze.
黃天啓 Hwang Tien-chi, D.D.S. Dentistry.	(D.D.S., Toronto). On the staff of Union University and of the Dental Hospital, Chentu. (U.C.C.M.)
陳鴻信 Chen Hung-hsin, M.D.	On the staff of the Suining Hospital (F.S.C.) at present, Postgraduate Study England.

1922

顏向榮 Yen Siang-yuin M.D.	Deceased 1922 (A.B.F.M.S)
曾季芝 Dzen Dji-djï, M.D.,	Military Medical Official. 41st Army. (C.M.S.)
趙書元 Chao Shu-yuen, M.D.	U.C.C.M. Hospital Chungking.
黃島晴 Hwang Dao-chin, M.D.	Superintendent 45th Army Hospital, Chengtu.
張孝思 Djang Shao-si, M.D.	Deceased (U.C.C.M.)

1923

陳永准 Chen Yuin-hwai, M.D.	Deceased 1924. (M.E.M.)
劉述揚 Liu Shu-yang, B.S., Chemistry.	Teaching. Chengtu Schools.
李　珩 Li Hen, B.S., Mathematics.	Post graduate study. (M.E.M.)

蕭　暄 Shiao Shuan, B.A., Philosophy.	(M.A., Toronto, Canada.) (U.C.C.M.). University Staff.
蕭義森 Shiao Ni-sen, M. D.	Private practice. Chengtu
張鴻堯 Djang Hung-yao, B.S., Chemistry.	On the staff of the Middle School. Tzechow. (C.M.S.)

1924

李國光 Li Kueh-gwang, B.A., Arts.	On the staff of the C.P.O., Yunnanfu. (U.M.M.)
楊光舜 Yang Gwang hsuen, B.S., Biology.	In business. Chengtu.
吳恒久 Wu Hen-jiu, B.S, Chemistry.	In business. Chengtu.
宋忠廷 Song Chong-ting, A.B., Arts.	(Ridley Hall, Cambridge, and Wycliffe Hall, Oxford, England.) Bishop of the Shen Kong Hwei.
張明俊 Chang Min-chüin, B.S., Biology.	On the staff of the Union University (U.C.C.M.)
楊枝高 Yang Chi-kao M.D.,	On the staff of Si Shen Tse Hospital, Chengtu (C.M.S.)
高長江 Kao Chang-chiang, B.A. B.S., Chemistry.	On the staff of the A.P.C. Chungking. (F.S.C.)
楊榮光 Yang Yuin-gwang, B.S., Physics.	Principal of the Tzechow Middle School. (M.E.M.)
王迪人 Wang T'ih-ren, B.S., Physics.	On the staff of the University. (M.E.M.)

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華顯達
Hwa Sien-dah, B.A., Education. Registrar of the University (U.C.C.M.)

唐樂天
Tang Lo-tien, B.A., Arts.

唐波澂
Tang Bo-ch'en, B.A., Arts. On the University staff (M.E.M.)

連昇祥
Lien Din-siang, B.A., Arts. Peiping, China.

1925

陶禮雍
Tao Li-yung, B.A., Education. (M.E.M.)

紀 賡
Gi Bin, B.S., Mathematics. On the staff of the M.E.M. Girl's Middle School, Chengtu (M.E.M.)

楊正隆
Yang Cheng-lung, B.S. Mathematics. Brunner Mond, Chungking.

許昌齡
Hsü Chang-lin, B.A., Education.

孟體廉
Mung Ti-lien, B.A., Arts. On the University staff (A.B.F.M.S.)

劉紹之
Liu Shao-chi, B.A., Education. On the University staff. (M.E.M.)

羅榮宗
Loh Yuin-tsong, B.A., Arts.

1926

馮大然
Fung Da-ran, B.S., Chemistry. On the University staff.

王裕文
Wang Yü-wen, B.S., Mathematics.

鄧崇渾
Den Tsung-hwen, B.A., Education. On the staff of Szechwan University (M.E.M.)

王思度
Wang Si-tu, B.A., Education. On the staff of the M.E.M. Girls' Middle School. (M.E.M.)

張文選
Djang Wen-shuen, B.S., Mathematics. On the staff of Chungking High School (M.E.M.)

胡放之
Fu Fong chi, B.A., Arts.

吳純熙
Wu Shen-hsi, B.S., Chemistry. Post graduate Study. Oxford

楊興健
Yang Hsin-chien, B.A., Arts. On the staff of the Union Middle School. Chengtu. (U.C.C.M.)

杜奉符
Du Fong-fu, B.A., Arts. On the staff of the University (M.E.M.)

費承忠
Fei Chen-chong, M.D. Private Practice. Chengtu (A.B.F.M.S.)

陳禮輝
Chen Li-hwei, M.D. Private practice. Chengtu. (U.C.C.M.)

袁宗周
Yuen Tsong-cheo, M.D. Private practice. Chungking. Sze.

羅光璧
Lo Gwang-bih, M.D. Tuberculosis Hospital Peiping

杜順德
Du Swun-deh, M.D. On the staff of the Union University.

1927

何廷洸
Ho Ting-kwang, B.A., Education. Post graduate. Study America (M.E.M.)

唐富澤
Tang Fu-tseh, A.A., Education. On the staff of the Yunnan Church (U.M.M.)

李明良
Li Ming-liang, B.A., Education. On the staff of the University. (U.C.C.M.)

張孝禮
Chang Hsiao-li, B.S., Mathematics. On the staff of the Union University. (U.C.C.M.)

鄧永齡
Deng Yüin-ling, B.S., Chemistry. On the staff of the Friends' Middle School, Chungking, (F.S.C.)

游仲光
Yu Chung-kwang, B.S., Physics. Shan Hsi Kai School.

席應第
Hsi Yin-ti, M.D. Deceased (C.M.S.)

尹 壽
Yin Show, M.D. Private Practice. (C.M.S.)

樂以篪
Yo Yi-chi, M.D. Private practice (A.B.F.M.S.) Kiating.

李之郁
Li Chi-yiu, M.D. On the staff of the M.E.M. Hospital, Chungking.

徐龍光
Hsu Lung-kwang, M.D. Private practice. Chengtu. (U.C.C.M.)

陳武祥
Chen Wu-shiang, D.D.S. Private practice. Chungking.

陳華清
Cheng Hwa-ch'in, D.D.S. Private practice. Chungking. (U.C.C.M.)

1928

楊光宗
Yang Kwang-tsung, B.A., Arts. On the staff of the M.E.M. Middle School. Chungking.

羅忠恕
Lo Dsung-su, B.A., Sociology. On the staff of the Union University. (C.M.S.)

陸光廷
Lu Kwang-ting, B.A., Arts. Pastor at Kienchow. (M.E.M.)

胡鑑文
Fu Chien-wen, B.A., Arts. Pastor. Baptist Church. (A.B.F.M.S.)

鄭子良
Cheng Tsi-liang, B.A., Religion. Pastor at Sinfan. (U.C.C.M.)

祿堂珍
Lu Tang-chen, B.S., Physics. On the staff of the Middle School, Chaotung, Yunnan. (U.M.M.)

黃 勉
Hwang Mien, B.S., Biology. On the staff of the Union University. (M.E.M.)

張輔林
Chang Fu-lin, B.A., Education.

吳蜀傑
Wu Shu-chieh, B.A., Education. Pastor at Chengtu. (M.E.M.)

呂鐘靈
Lu Chung-ling, M.D. Union University Staff. E.E.N.T. Hospital Chengtu. (C.M.S.)

劉永懷
Lin Yuen-hwai, M.D. Private practice. Chiangchin.

鄧國銓
Den Kwe-chuen, M.D. Post Graduate Study P.U.M.C. Peiping

蕭義典
Hsiao Ngi-shin, M.D. Private practic. Chengtu.

盧宅仁
Lu Tseh-ren, M.D. Deceased 1935.

1929

汪正鈺 Wang Dsen-yu, B.A., Arts.	Graduate work, Peiping.
李和鎔 Li Ho-yung, B.A., Arts.	Post Office, Chengtu.
許漁泉 Hsu Yu-chuen, B.A., Arts.	Pastor Baptist Church Chengtu. (A.B.F.M.S.)
朱冰海 Miss Chu Bin-mei. B.A., Chinese.	On the staff of the M.E.M. Girls' Middle School, Chengtu.
劉華成 Miss Liu Yuin-chen, B.A., Education.	Principal of the M.E.M. Girls' School, Tzechow.
劉蓮春 Miss Liu Yuin-chuen, B.A., Education.	On the staff of Union University.
辜自培 Miss Gu Tsi-pei, B.A., Education.	Principal of the U.C.C.M. Girls' Middle School, Chengtu.
羅桂枝 Miss Lo Kwei-chi, B.A., Education.	Principal of the M.E.M. Girls' Middle School Suining.
王俊賢 Wang Chuin-shien, B.A., Education.	Christian Student Fellowship. Chengtu.
白光禮 Pei Kwang-li, B.A., Education.	On the staff of the Union Middle School, Chengtu.
何文俊 Ho Wen-chuen, B.S., Biology.	On the staff of the Union University.
曹　斌 Tsao Bin, M.D.	U.C.C.M. Hospital, Tzeliutsing. Sze.

莊德明 Chwang Deh-ming, M.D.	On the staff of A.B.F.M.S. Hospital, Suifu.
聶光廷 Nie Kwang-ting, M.D.	On the staff of the Methodist Mission Hospital, Si Fung Chin, Kueichow.
吳性純 Wu Sin-chuen, M.D.	On the staff of the Methodist Hospital, Shih Men Kan, Yunnan.
曾忠義 Chen Chung-ngi, M.D.	On the staff of U.C.C.M. Hospital, Chengtu.
陳文貴 Cheng Wen-kwei, M.D.	Health Administration Kansu Province.
王　政 Wang Chen, M.D.	Private practice, Chungking
向璧光 Shiang Bi-kwang, D.D.S.	Private practice, Chengtu.

1930

高毓嵩 Kao Yoh-tsung, B.A., Arts,	On the Y.M.C.A. staff Chungking.
李祖麟 Li Tsu-ling, B.A., Arts.	In business. Chungking.
岳清澄 Yoh Ching-cheng, B.A., Arts.	On the University Library staff.
王惠貞 Miss Wang Huei-chen, B.A., Arts.	Deceased.
黃次咸 Huang Tsi-han, B.A., Arts.	On the Y.M.C.A. staff Chungking.
王幹國 Wang Kan-kueh, B.A., Arts.	

吳厚長 Wu Heo-chang, B.A., Arts.		On the staff of the University Middle School.
饒式文 Miss Rao Shi-wen B.A., Education.		On the staff of the M.E.M. Middle School, Chengtu.
唐權書 Tang Chuan-shu, B.A., Education.		On the staff of the Middle School, Kiating.
高毓靈 Kao Yoh-ling, B.Sc. Chemistry.		On the staff of the University.
江國棟 Chiang Kueh-tung, B.Sc. Physics.		Postgraduate work. America.
吳國章 Wu Kueh-chang, B.Sc. Physics.		On the staff of the University.
林順棣 Lin Shuen-tih, B.Sc. Agriculture.	Teaching.	Chungking.
安知理 Ngan Chi-li, D.D.S.		Postgraduate Study U.S.A.
席應忠 Hsi Yin-chung, D.D.S.		On the staff of P.U.M.C. Peiping.
陳　華 Chen Hua, D.D.S.		Central Hospital, Nanking.
樂以壎 Yoh Ih-hsuin, D.D.S.		Private practice, Tsinanfu.
毛燮均 Mao Hsueh-chuin, D.D.S.		On the staff of P.U.M.C. Peiping.
蔣福安 Chiang Fu-ngan, D.D.S.		On the staff Medical School, Changsha.
黃振寰 Huang Chen-huan, B.A., Religion,		Pastor, Jenshow, U.C.C.M.
譚克全 Tan Keh-chuan, B.A., Education.		Deceased.

1931

洪有模 Hong Yiu-mo, B.A., Arts.		Middle school, Chengtu.
高明泰 Kao Min-tai, B.A., Chinese Language.		Suiling Middle School. (M.E.M.)
王能文 Wang Leng-wen, B.A., Sociology.		
馬昌極 Ma Chang-chi, B.A., Arts.		Postgraduate work, America.
鄧光陸 Deng Kwang-lu, B.A., Arts.		On the Union University Library staff.
楊富賢 Yang Fu-hsien, B.A., Education,		Middle School, Junghsien.
楊立朝 Yang Li-tsao, B.A., Education.		Yachow Middle School (A.B.F.M.S.)
祝天成 Chu Tien-cheng, B.A., Education.		On the staff of Senior Middle School. U.C.C.M. Chungking,
鄧蓮芳 Miss Deng Lien-fang, B.A., Education,		On the staff of the Girls' Senior Middle School M.E.M., Chungking.
陳玉珍 Chen U-hsin, B.A., Education.		Shansi Kai Girls' School, Chengtu.
吳貞雲 Wu Chen-yuin, B.A., Education,		Chengtu Girls' School.
彭子富 Pen Tse-fu, B.Sc. Biology.		Postgraduate work. Peiping,
丁祥清 Ding Hsiang-chin, B.Sc. Biology.		U.C.C.M. Hospital Jenshow.

周大武
Cheo Da-wu. B.Sc. Physics, — On the staff of the Union University.

詹大經
Chan Da-ching B.Sc. Mathematics. — University Union Middle School staff.

王天釗
Wang Tien-chao, B.Sc. Chemistry. — Suiling Middle School M.E.M.

田鳴鵬
Tien Ming-pong, B.Sc. Mathematics. — Shansi Kai Middle School,

黃芥舟
Huang Chiai-cheo, B.Sc. Natural Sciences.

許昌齡
Hsu Chang-lin, B.Sc.

蔣紹宗
Chiang Shao-tsung, M.D. — C.M.S. Hospital, Yunnanfu. Yun.

姜穆清
Chiang Mo-chin, M.D. — Postgraduate study, P.U.M.C., Peiping.

余清河
Yu Chin-ho, M.D. — Private Practice, Chungking

周志鈞
Cheo Chih-chuin, M.D. — Private Practice, Chengtu.

謝錫琛
Shie Hsi-shu, M.D. — On the staff of the University. U.C.C.M. Men's Hospital, Chengtu.

賈 俊
Chia Chuin, M.D. — Syracuse Hospital, Chungking.

楊正萱
Xang Cheng-hsuan, M.D. — Military Hospital, 21st Army.

吳月珠
Wu Yueh-chu, M.D. — Hanchow Municipal Hospital.

李士希
Li Si-hsi M.D. — Syracuse Hospital, Chungking.

萬堃培
Wan Kuen-pei, M.D., — A.B.F.W S. Hospital, Yachow.

費承先
Fay Chen-hsien, D.D.S. — Central Political School Nanking.

曹紹卿
Tsao Shao-ching, B.A., Arts. — Pastor. Penghsien U.C.C.M.

1932

陳家驥
Chen Chia-yi, B.A., Chinese Language. — Suiling Middle School.

譚安文
Tan Ngan-wen, B.A., Chinese Language.

鄭錫周
Cheng Hsi-cheo, B.A., Chinese Language. — Tzeliutsing Middle School.

張愛德
Miss Chang Ngai-teh., B.A. English and Music. — Union University and Fang Chen Kai, Middle School.

張仁愷
Chang Ren-kai, B.A., Foreign Languages. — Suifu, Pastor of the Baptist Church.

邱常爵
Ch'iu Shang-choh, B.A., Sociology. — Tzeliutsing, Middle School.

朱錫襮
Chu Hsi-pao, B.A., Foreign Languages. — Suifu, Middle School.

晉希天
Chin Hsi-tien, B.A., Sociology. — Union University.

劉子翥
Liu Tse-chiu, B.A , Sociology. — Chungking Social Worker in the U.C.C.M. Hospital.

王子熹 Wang Tse-hsi, B.A., Sociology.	Pastor of Sze Shen Tse Church, Chengtu.	
劉祥珠 Liu Hsiang-chu, B.A., Education.	Chungking.	
吳脩性 Miss Wu Hsiu-hsin, B.Sc., Biology.	Mienchow, Middle School.	
鄭元英 Miss Cheng Yuan-yin, B.Sc.,	Fang Chen Kai, Middle School, Chengtu.	
胡庭望 Fu Tin-sen, B.Sc. Chemistry.		
江大望 Chiang Da-wang., B.Sc.,	Union Middle School, Chengtu.	
劉自若 Liu Tse-roh, B.Sc., Mathematics.	Suiling, Middle School.	
朱菊芬 Miss Chu Chi-fen. B.Sc., Natural Sciences.		
熊璧雙 Miss Hsiong Pih-kuang, B.Sc., Natural Sciences.	Medical Student Union University.	
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West China Union University

ANNUAL CATALOGUE

of the

College of Arts

and

BULLETIN OF GENERAL INFORMATION



CHENGTU, SZECHWAN

1936 - 1937

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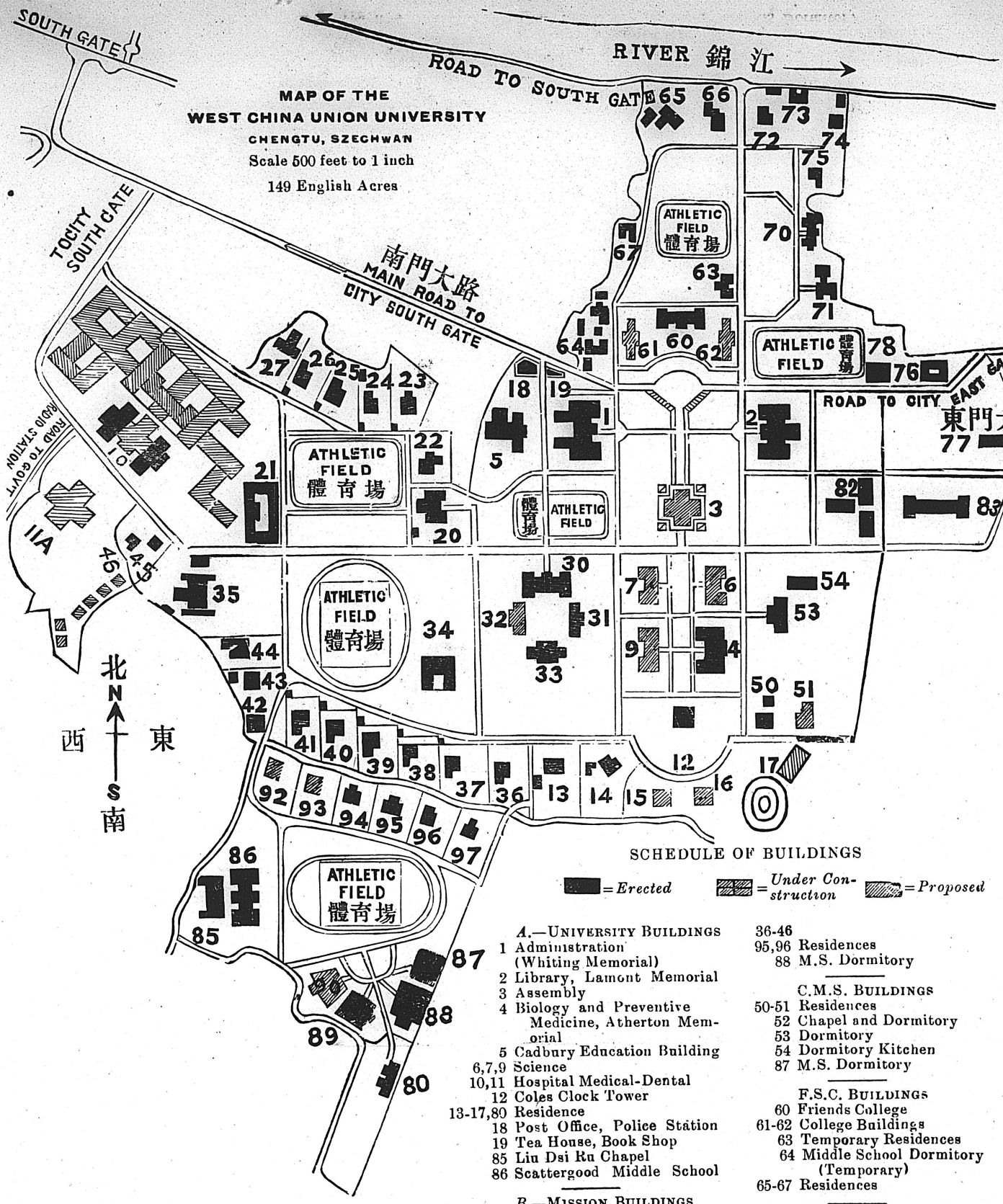
MAP OF THE WEST CHINA UNION UNIVERSITY

CHENGTU, SZECHWAN

Scale 500 feet to 1 inch

149 English Acres



SCHEDULE OF BUILDINGS

■ = *Erected* ▨ = *Under Construction* ▨ = *Proposed*

A.—UNIVERSITY BUILDINGS

1 Administration (Whiting Memorial)
2 Library, Lamont Memorial
3 Assembly
4 Biology and Preventive Medicine, Atherton Memorial
5 Cadbury Education Building
6,7,9 Science
10,11 Hospital Medical-Dental
12 Coles Clock Tower
13-17,80 Residence
18 Post Office, Police Station
19 Tea House, Book Shop
85 Liu Dsi Ru Chapel
86 Scattergood Middle School

B.—MISSION BUILDINGS

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22-27,93 Residences
90 M.S. Dormitory

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82 Women's College
83 Dormitories

WEST CHINA UNION UNIVERSITY

FOUNDED 1910

Accorded Registration by the Szechwan Provincial Government Bureau of Education, 1927; and Registration with the National Government, Nanking, in 1933.

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WEST CHINA UNION UNIVERSITY

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HISTORICAL STATEMENT

The West China Union University was established in 1910 by the united action of the American Baptist Foreign Mission Society; the Friends' Foreign Mission Association, now the Friends' Service Council, Great Britain and Ireland; the General Board of Foreign Missions of the Methodist Church of Canada, now the Board of Foreign Missions of the United Church Canada; and the Board of Foreign Missions of the Methodist Episcopal Church, U.S.A. The Church Missionary Society of England was admitted to participation in the University in 1918. The Women's Foreign Missionary Society Boards of the American Baptist Church, the Methodist Episcopal Church, U.S.A., and the United Church of Canada were admitted to participation in 1925.

The aim of the founders, as stated in the constitution, is, "The extension of the Kingdom of God in West China by means of higher education under Christian auspices."

The University is situated in the south suburb of Chengtu, the capital of the province of Szechuan. The strategic importance of the location is readily recognized, as it is not only in the center of the most populous and most extensive province of the Republic, but is also well placed to extend its influence to all West China, Tibet, and the many border tribes.

Part of the present site had been purchased by the co-operating Missions by the year 1908, but classes were not opened until March 1910. Because of Revolutionary disturbances, the University was forced to close in the Autumn of 1910. It was re-opened in 1913 with three Faculties—the Faculty of Arts, the Faculty of Science, and the Faculty of Medicine.

During the succeeding decade there was a steady and normal growth in the number of students and in the diversity of subjects taught. By 1922 the Faculty of Education, the Faculty of Religion, and the Faculty of Dentistry had been added.

Women students were admitted to the University in the autumn of 1924, and in 1925 three representatives of the Women's Boards were admitted to membership in the Board of Governors.

The university made application for Government registration in 1927 and was accorded provisional recognition by the Provincial Bureau of Education in November of the same year. Full registration was granted by the National Government in the Autumn of 1933 and the University now operates as part of the national system of Education.

ORGANIZATION.

The University is carried on under the control of the Board of Governors, the Board of Directors, and the General Faculty.

The Board of Governors, the members of which are resident in England, the United States, and Canada, consists of three representatives elected by each of the uniting bodies and two-thirds that number of co-opted members, elected by the Board.

The Board of Directors is composed of fifteen members, resident in China. The majority of the members of the Board of Directors must be Chinese. The Board of Directors has power to elect the President who is an ex-officio member of the Board, without vote.

The Board of Governors acts as a Board of Founders and has entered into an agreement with the Board of Directors whereby the payment of an annual sum is assured to the Board of Directors to be used for the work and promotion of the University.

The General Faculty of the University consists of the chief administrative officers; representatives of the professors and associate professors and assistant professors; and coopted members.

BUILDINGS AND GROUNDS.

According to the original article of union each mission founding a college was to purchase property and erect buildings for the housing of its staff and students, and contribute a college building for teaching purposes. The Board of Governors purchased property for the teaching building and general campus and was to erect the university administrative and teaching buildings and residences for those members of the staff who are provided by the Board of Governors. This policy has thus far resulted in the erection of twenty-nine foreign

residences and seven Chinese-style residences, ninteen permanent college and dormitory buildings and the Clock Tower, also three groups of Chinese-style dormitories and other buildings. Accommodation is thus provided for eight hundred and fifty students and teachers. Athletic fields and a number of tennis courts are also provided for on the property.

(1) UNIVERSITY BUILDINGS:—

The Whiting Memorial Administration Building.

This Building was completed in 1919, as a memorial to Robert Morris Whiting by the generosity of Mr. and Mrs. Joseph B. Morrell, Northport, Long Island, New York, U.S.A. The building is of grey brick with grey tile roof, finished in accordance with the best traditions of Chinese architecture adapted to modern school conditions. It is two stories high, 175 ft. long by 93 ft. wide. The administrative offices, the assembly hall, and class rooms for arts and photography are located in this building.

The Atherton Building for Biology and Preventive Medicine

This Building completed in April 1924, is the gift of the Atherton family of Honolulu, H.I., in memory of Dr. Alexander Atherton. It is 192 ft. long and 94 ft. at extreme width, with two full stories and basement. The Departments of Biochemistry, Chemistry, and Biology and the University Dispensary are housed in this building.

The Lamont Library and the Museum Building

This building, completed in 1926, is of the same general type of architecture as the Administration Building and stands opposite to it. Its erection was made possible through the generosity of Mr. and Mrs. B. C. Lamont of Aberdeen, South Dakota, U.S.A. The Library is a memorial to their son.

The Scattergood Memorial Middle School Building

This building, providing teaching accommodation for three hundred middle school students, was given by Mrs. Thomas Scattergood, of Philadelphia, U.S.A., as a memorial to her husband and an expression of international good-will. The building is of the same material as the University Buildings. It is two stories high, 190 ft. long by 48 ft. wide.

The Middle School Chapel

The chapel, was erected in 1927, with funds contributed by Mr Liu Dsi Ru, of Chungking, West China. It is of the same general type of architecture as the Middle School building. It is 82ft. long by 60 ft. wide and provides seating accommodation for four hundred students on the main floor.

The Cadbury School of Education Building.

Through the beneficence of Mr. George Cabury, Bourneville, England, the University has erected the main section and one wing of its Education Building. When completed the building will be 180 feet long, two stories high. It is of the same type of architecture and form of construction as the other buildings.

The Coles Memorial Clock Tower is the gift of J. Ackerman Coles, LL.D., New York. The tower is built of brick nearly fifty feet, with a superstructure of wood to a total height of slightly over one hundred feet. The four faces of the clock, which are seven feet in diameter, are seventy-one feet from the ground, above which is placed the bell. The bell and clock are also the gifts of Dr. Coles. It was erected in 1925-6.

The Medical-Dental College Building when completed will be the largest building on the campus. At present the two end wings only have been built. Each is 152 feet long and 40 feet wide, and consists of two stories and basement. The east wing houses the departments of Anatomy and Physiology, and Pharmacology; also the department of Pharmacy. The west wing houses the departments of Pathology and Bacteriology, Hygiene and Public Health and Dental Laboratory Technology, Dental Surgical Technology, and the Dental Infirmary.

The Dewey and Goucher Schools, schools established by Dr. John F. Goucher, became the practice schools of the Faculty of Education and the Normal School in 1919.

The Goucher Practice School, a three year junior middle school with 125 selected students, has, since the destruction of the original building by fire, been operated in the rooms of the Cadbury Educational Building. From the Autumn of 1936 its work will be conducted in a fine new brick building of two stories, 170' X 50', erected by a gift of $20,000. local currency from Mrs. Elizabeth Goucher Chapman in memory of her father, the founder of the school.

(2) Co operating Mission Hospitals:—

The *United Church of Canada Mission Hospital for Men* is located in the N. E. section of the city at some distance from the University. A dormitory for senior medical students is maintained in connection with this hospital, and students of the third, fourth and interne years reside here. This hospital has 150 beds, and is well equipped with operating rooms, clinical laboratory, x-ray department, pharmacy, etc. A general out-patient department is also carried on here. The School of Nursing has two foreign nurses in charge, and about 30 nurses in training. All of the doctors on the staff of this hospital are teachers in the Medical Faculty of the University. The instruction in Medicine, Surgery, Clinical Laboratory and Parasitology is given here. Pending its removal to the new Medical-Dental College Building, the Department of Pathology and Bacteriology is also temporarily located in this building.

The *United Church of Canada Mission Dental Hospital*, one of the constituent bodies of the Chengtu Hospitals Board, is located in the city at Sze Shen Tze. The hospital is well equipped and carries on a polyclinic. The head of each department is a professor in the university. Our students may receive clinical instruction in any clinic which presents suitable teaching material.

The *United Church of Canada Hospital for Women and Children* is in close proximity to the Hospital for Men. It has a capacity of 80 beds, and is well equipped for its special work. All x-ray and laboratory work is done in the Men's Hospital. A good outpatient department is maintained. The training school for nurses has two foreign nurses in charge. Most of the doctors on the staff of the Men's Hospital are also on the staff of this Hospital in a consultative capacity. Pediatrics, Obstetrics and Gynecology are taught in this hospital.

The *Chengtu Eye, Ear, Nose and Throat Hospital* of the M. E. Mission about half way between the University campus and the other hospital, is a 60 bed hospital devoted entirely to these specialties. It was founded and is maintained by the Methodist Episcopal Church. It has served as an eye, ear, nose and throat hospital since January 1, 1929. It has very large outpatient clinics, the total outpatient attendance for 1934 being over 60,000. It has a well balanced inpatient service of approximately 1000 inpatients per year. The undergraduate and graduate teaching and clinical activities of

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the departments of Ophthalmology and Otolaryngology are carried on here. The heads of departments on the staff of this hospital are members of the teaching staff of the Medical Faculty.

The Post office Building is a one story brick structure on the University property fronting on the main street, that provides for post office, police headquarters and bank.

(3) College Buildings, Dormitories and residences:—

The Joyce Memorial Dormitory and the Ackerman Memorial Dormitory were erected in 1914 by the Methodist Episcopal Church. The former was made possible by the gift of the Joyce family of Minneapolis, U.S.A., and the latter by gifts from J. Ackerman Coles, L.L.D., New York. *The Joyce Memoral* is a two-story buiding, 120 ft long by 55 ft. wide; the Ackerman Memorial is a three-story building, 120 ft. long by 30 ft. wide. These and all the other permanent college buildings are of the same material and conform to the prevailing Oriental-Western type of architecture of the University.

The Bishop Bashford Memorial was made possible by donors of the Detroit Area of the Methodist Episcopal Church. It was ready for occupancy in the Autumn of 1933. It is of grey brick construction two stories high and provides accommodation for 100 students.

The Vandeman Memorial Hall and the Baptist Middle School Dormitory were erected in 1919-1920 by the Baptist Mission. Vandeman Hall was erected by a gift from the Vandeman family of Indianapolis, Indiana, U.S.A., and is used as a combined teaching building and dormitory. It provides teaching quarters for the Department of English and dormitory accommodation for 50 students. The Vandeman Memorial is three stories high with basement, 122 ft. long and 53 ft. wide. *The Baptist Dormitory* is a quadrangle. one and a half-stories high: two sections are 200 ft. long by 18 ft. wide, and two sections are 120 ft. long by 18 ft. wide. It accommodates 80 students.

The Hart College, named in honor of Dr. Virgil C. Hart pioneer missionary of the Canadian Methodist Mission in West China, and Jairus Hart, Esq., of Halifax, the donor, was completed in 1920 by the Canadian Methodist Mission (United Church of Canada), and has been set apart largely

for university work; the theological, physics and mathematics departments occupy this building. It is a two story structure, with basement, 160 ft. long by 60 ft. wide.

Tee United Church of Canada College Dormitory and Dining Hall, Gymnasium. The former was erected in 1914; it is 2 stories, 108 ft. long by 40 ft. wide. The Dining Hall-Gymnasium was completed in 1922; it is two stories high, 190 ft. long and 40 ft. wide. These dormitories provide living accommodation for about one hundred students.

The United Church of Canada Middle School Dormitory, located on the Middle School site, completed in 1924, is a two-story brick building, quadrangle style, accommodating one hundred students.

The Friend's College Building.

The building, a gift from the Arthington Estate, London, was completed in 1925. It is two full stories with basement, of brick and tile construction, built in conformity to the prevailing type of university architecture. It is intended for teaching and hostel purposes. The Department of Chinese occupies the lower floor of this building. The second and third stories are occupied by students.

The Church Missionary Society College and Middle School Dormitories.

The College dormitory stands opposite to the United Church of Canada Dormitory and matches it in style of architecture and size. The Middle School Dormitory is located on the Middle School campus. Both dormitories are of grey brick construction and accommodate about 100 students.

The Woman's College erected three semi-permanent buildings during the years 1924-27. They provide residential quarters for 50 students and teachers. The first permanent building was completed in the Autumn of 1932. It is of brick construction built in harmony with the Library architecture and stands near to it. It will accommodate 70 students and teachers.

BOARD OF GOVERNORS.

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Sir Joseph Wesley Flavelle, Bart., LL.D., 2,610 Canadian Bank of Com. Bldg., 25, King Street West, Toronto, Canada.

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Church Missionary Society:

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Rev. James Endicott, D. D., Hon. Newton Wesley Rowell, K. C., Dr. E. W. Wallace.

The Board of Foreign Missions of the Methodist Episcopal Church, U.S.A.:

Mr. H. A. Chaffee.

The Woman's Missionary Society of the United Church of Canada:

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The Woman's Foreign Missionary Society of the Methodist Episcopal Church:

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The Woman's Missionary Society of the American Baptist Church:

Miss Frances K. Burr, Mrs. Curtis Lee Laws.

Chancellor of the University:

Joseph Beech, B.A., D.D.

Co-opted Members.

Rev. J. H. Arnup, D.D.
Mr. Frank T. Cartwright
Mr. K. N. Chang
Dr. J. R. Edwards, D.D.
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ADMINISTRATIVE OFFICERS.

OFFICERS OF THE UNIVERSITY

President	Lincoln Chang
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Registrar	Hua Hsien-ta
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Librarian (English)	Mrs. Chapman
Museum Curator	D. C. Graham
Dean of Discipline and Sec. to the President	T'ang Po Ch'eng
English Sec. to the President	Miss Robertson

Superintendent of Buildings	W. Small
Director of the College of Medicine and Dentistry	W. R. Morse
Dean of Medicine	L. G. Kilborn
Dean of Dentistry	H. J. Mullett
Dean of the College of Arts	Lo Chung-shu
Dean of the College of Science	D. S. Dye
Dean of Women	B. L. Foster

Cabinet:

The President, Vice-Chancellor, Fang Shu-hsien, Chang Ming-chun, H. G. Anderson, T'ang Po-ch'eng and A. W. Lindsay.

General Faculty:

College of Arts:	
Dean	Lo Chung-shu
Heads of Departments	J. E. Moncrieff, Liu Chih-chieh, H. D. Robertson
Representatives of Profs. and Assoc. Profs.	Shen Ssu-chuang, Tu Feng-fu.
College of Science: Dean	D. S. Dye
Heads of Departments	Chang Ming-chun, R. C. Spooner, Chang Hsiao-li
Reps. of Profs. and Assoc. Profs.	Miss Downer, W. G. Sewell.
College of Medicine and Dentistry:	
Director	W. R. Morse
Deans	L. G. Kilborn, H. J. Mullett
Reps. of Profs. and Assoc. Profs.	Tu Shun-te, Lu Chung-ling, A. W. Lindsay, R. G. Agnew, H. B. Collier R. A. Peterson

Standing Committees:

University Extension: Li Ming-liang, Liu Chih-chieh, L. G. Kilborn, Wang Chun-hsien, Shen Ssu-chuang.

Studies and Ranking: Dean of Studies, Registrar, Deans of Colleges.

Missionary Training School: J. E Moncrieff, S. Lewis, R.O. Jolliffe.

University Health: R. G. Agnew, A. W. Lindsay, J.M. Kilborn, H. G. Anderson, Pai Ying Ts'ai, S. L. Chang, T. F. P'eng, S. C. Yang and one member elected from the Dormitory Principals.

Library: The Librarians (Mrs. Chapman, Ch'eng Chih-hsuan), Mrs. Lindsay, Tu Feng-fu, S. D. Liu, F. A. Smalley.

Publicity and Publishing: Mrs. Spooner, M. C. Lin, F. A. Smalley, B. C. T'ang, Miss Robertson.

Property: S. C. Yang, W. Small, S.H. Fang, A.W. Lindsay.

University Functions: The Cabinet and Co-opted members.

Photograyhic Studio: H. B. Collier, W. B. Albertson, D. S. Dye, H.T. Chin.

Harvard-Yenching Funds: S. H. Fang, D. C. Graham, C. H. Ch'eng, D. S. Dye, S. C. Yang, L. G. Kilborn, S. D. Liu, D.S. Lo,

Hodgkin Memorial Fund: Dr. L. Chang, S. H. Fang, S. C. Yang, D. S. Lo, H. D. Robertson, W. G. Sewell.

University Museums: D. C. Graham and the Curators.

Committee on Student Discipline: Dean of Discipline, Principals of Dormitories, Drill Instructors.

Employment Bureau: B. C. T'ang, S. D. Hua, S. D. Liu, R. C. Spooner.

Nominating: To be appointed by the Cabinet.

Reception: Mrs. Fang, Mrs. T'ang, Mrs. Mullett, Mrs. Spooner.

Decorations: Miss Streeter, Miss Downer.

FACULTY OF THE UNIVERSITY

Agnew, Robert Gordon, B.A., M.Sc., (Dent.), D.D.S., F.I.C.D., Professor, Pathology and Bacteriology.

Agnew, Mary Caldwell, M.A., Toronto. Lecturer, Biochemistry.

Albertson, Wilford Beaton, B.A., Toronto; B.D., Bursar; Lecturer, Oral Technical Drawing, and English.

*An Chih-li, D.D.S., West China; Instructor, Dentistry

Anderson, Harold G., B.S., M.R.C.P., M.D., London. Associate Professor, Internal Medicine.

Anderson, Eleanor Waverly, Dip. Music, Melbourne University. Assistant Professor, Voice and Piano.

Beech, Joseph, B.A., Wesleyan; D.D.; Chancellor.

Best, Albert Edward, B.A., M.D., Toronto. Professor, Internal Medicine.

Brown, Homer Grant, M.A., Professor, Psychology and Religious Education.

Chapman, B. Burgoyne, M.A. Education.

Chapman, Elizabeth Goucher B.A., Goucher.

Chang Ai-te (Dsang, Margaret), B.A., West China Instructor, Piano and Organ.

Chang Ch'iung-hsien, D.D.S., West China Clinician, Dentistry

Chang Hsiao-li, B.A., West China Union; M.A., Toronto. Associate Professor, Mathematics.

Chang Ling-kao, (Dsang, Lincoln) B.A., West China M.A., Northwestern D.D., Ph. D., Drew. President; Lecturer, Rural Sociology.

Chang Ming-chün, B.A., West China; M.Sc., Yenching. Associate Professor, Biology.

Chang Shu-lin, D.D.S., West China; Clinician, Dentistry

Chao Shao-han, Lecturer, Chinese Language.

Ch'en Chia-i, M.A., Yenching. Instructor, Chinese Language and Literature.

Cheng Hsiao-hsiang, B.A., Lecturer, Sociology

Cheng Te-k'un, (Cheng Teh-kuen), M.A., Yenching. Associate Professor, Chinese History and Literature.

Ch'eng Chih-hsuan, Professor, Chinese. Head, Department of Chinese.

Chi Kan-cheng, (Gi Gan-Chen), Ph.G., West China. Lecturer, Pharmacology.

Chiang Wen-kang, B.A., Lecturer, Sociology.

Ch'iao Kuo-ch'ang, (Chiao Kuei-chang), B.A., Instructor, Methods of Teaching Chinese.

Chou Hsu-te, M.D., West China. Assistant Instructor, Pathology.

Chou Yun-wen, (Dseo Yuin-wen), B.A., West China. Instructor, Physics.

Chu Shao-pin, Professor, Chinese History and Literature.

Chung Chih-chü, Szechuan, Graduate, Japanese Normal School. Professor, Chinese Classics.

Collier, H. Bruce, M.A., Ph.D., Toronto. Associate Professor, Biochemistry.

Collier, Mary, Lecturer, Extra Curricular Activities.

*Crawford, Wallace, M.D., C.M., D.P.H., Professor, Hygiene and Public Health.

Cunningham, Edison Rainey, B.A., M.D., C.M., Manitoba; D.O.M.S., London. Professor, Ophthalmology.

Cunningham, Gladys, B.A., McGill; M.D., Manitoba; L.M. C.C., Canada. Associate Professor, Obstetrics and Gynecology.

*Dickinson, Frank, B.A., Mt. Alison; M.Sc., Cornell. Professor, Rural Sociology.

Downer, Sara Boddie, B.A., Mt. Holyoke; M.A., California. Associate Professor, Physics.

Dye, Daniel Sheets, M.A., Cornell; Professor, Physics.

Dye, Jane Balderston, M.A., Columbia. Associate Professor, Mathematics.

Fang Shu-hsuan, (Fong Su-hsuan), B.A., West China. Professor, Education.

Feng Ta-jang, (Fung Da-ran), B.S., Associate Professor, Pharmacology.

Fosnot, Pearl, B.A., Nebraka; M.A., Boston. Assistant Professor, Ethics.

Foster, B. Louise, B.A., Queens. Assistant Professor, English.

Graham, David C., Ph.D., Chicago; D.Sc., Whitman College. Associate Professor, Archaeology, and Curator, the Museum of Archaeology.

Hansing, Ovidia, M.A., Ph.D., Northwestern. Assistant Professor, Philosophy.

*Ho Wen-chun, B.A., West China M.A., Yenching. Associate Professor, Biology.

Hsia Yao-shan, D.D.S., West China. Clinician, Dentistry.

Hsiao Wen-jo, B.A., West China M.A., Toronto. Visiting Professor Philosophy of Religion.

Hsieh Hsi-hsu, M.D., West China. Instructor, Roentgenology and Surgery.

Hsieh, Helen Yo, M.D., West China. Instructor, Obstetrics and Gynecology.

Huang Ch'eng-ting, Special Instructor.

Huang Fang-kang, P.h., Harvard. Lecturer, Philosophy.

Huang Mien, B.A., West China B.Sc., Nanking. Assistant Professor, Biology.

Huang T'ien-ch'i (Whang Tien-chi), D.D.S., West China D.D.S., Toronto. Professor, Odontal Surgery.

Kilborn, Leslie Gifford. M.A., M.D., P.h.D., Toronto. Professor, Physiology and Pharmacology.

Kilborn, Janet McClure, M.D., Toronto. Assistant Professor, Technical English.

Kao Yü-ling, B.S., West China M.S., Yenching. Assistant Professor, Chemistry.

Kung Hsiang-nung, Szechuan; Lecturer, Chinese.

Lan T'ien-ho, B.S., Yenching. Instructor, Biochemistry.

Lenox, John E., B.S., Bucknell, M.D., Pennsylvania. Assistant Professor, Internal Medicine.

Lewis, Spencer, M.A., D.D., Professor Emeritus, New Testament.

Li Hsing-lung, B.S., West China. Assistant Instructor, Pharmacology.

Li Ming-liang, B.A., West China B.Sc., Nanking. Assistant Professor, Rural Sociology.

Li P'ei-fu, Lecturer, Chinese.

Li Ping-Ying, Lecturer, Chinese Grammar.

Lin Shan-yu, Szechuan. Lecturer Chinese Literature.

Liljestrand, Sven Herman, Ph.B., M.D., Syracuse. Professor, Obstetrics.

Lindsay, Alice Winifred, Assistant Professor, English.

Lindsay, Ashley Woodward. D.D.S., B.Sc., (Dent.), Toronto; L.D.S., Royal College of Dental Surgeons; F.A.C.D , Professor, Oral Surgery.

Liu Chih-chieh, B A., West China; M.A., Chicago. Associate Professor, Educational Psychology.

Liu Li-hsien, B.A., West China. Assistant Professor, History.

Lo Chung-shu, (Lo Djung-su), B.A., West China; M.A., Yenching. Associate Professor, Philosophy.

*Lo, Lucy, B.A., West China. Instructor, Piano and Organ.

Lo Yu-tung, B.A., Lecturer, Economics.

Lousley, Helen, M.D., Manitoba, Instructor, Pediatrics.

Lü Chung-ling, M.D., West China; D.O.M.S, London. Associate Professor, Ophthalmology and Otolaryngology.

Lung Shou-jung, Lecturer, Social Sciences.

Manly, Marian E., B.A., Ohio Wesleyan; M.D., Rush. Assistant Professor, Obstetrics.

Meuser, Edwin Nelson, Phm. B , Toronto; Pharm. D., Pennsylvania. Professor, Pharmacology.

*Millar, Jean, Ewald, M.D., Western Ontario, Lecturer, Pediatrics.

Morse, Anna C., Lecturer, Drawing.

Morse, William Reginald, B.A., Acadia; M.D., C.M., McGill; L.L.D., Acadia; F.A.C.S. Professor, Anatomy and Associate in Surgery.

Moncrieff, Virginia, Lecturer, Piano and Theory.

Moncrieff, Jesse Edwin, B Sc., M.A., Professor, English.

Mullett, Harrison, D.D.S., B.Sc. (Dent.), Toronto; L.D.S., Royal College of Dental Surgeons, F.A.C.D., Professor, Prosthodontology.

Mullett, Pearl, Lecturer, English.

Pai Ying-ts'ai, (Bei Yin Chai), M.D., West China. Assistant Instructor, Anatomy.

P'ang Shih-chou, Lecturer, Chinese Philosophy.

P'eng Jung-hua, B.S., West China. Assistant Instructor, Biology.

P'eng Ta-Shih, B.S., West China. Assistant Instructor, Biology.

P'eng Tzu-fu, B.S., West China. Instructor, Physiology.

P'eng Yun-sheng, Lecturer, Chinese

Peterson, Robert, M.S., M.D., Iowa. Professor, Otolaryngology and Ophthalmology.

Peterson, Victoria, Lecturer, English.

*Phelps, Margaret, B.A., Lecturer, Piano and Voice.

*Phelps, Dryden Lindsay, B.D., Ph.D., Yale. Professor, English Literature.

P'u Ch'un-hua, B.A., West China. Assistant Instructor, English.

Robertson, Harold Deeks, B.A., Toronto. Professor, History.

Sewell, William Gawan M.Sc., Leeds, Professor, Chemistry.

Sewell, Hilda, B.Sc., Leeds, Lecturer, Biology.

Shen Ssu-chuang, M.A., B.D., Northwestern, Associate Professor, Sociology.

Sharevitch, Eugenia, D.D.S., West China. Assistant Instructor, Oral Pathology.

Shih Ju-ts'ung, Lecturer, Chemistry.

Simkin, Robert Louis, M.A., Columbia; B.D. Professor, Old Testament.

Smalley, Frank A., M.A., B. Litt., Oxford. Associate Professor, Political Science, New Testament.

Smalley, Nellie, B.A., Oxford. Lecturer, Violin.

*Sparling, George W., M.A., Toronto; D.D., Wesley. Professor, Systematic Theology and Philosophy.

Spooner, Roy C., M.A., Toronto. Assistant Professor, Chemistry.

Spooner, Kathleen, B.A., Toronto. Lecturer, English.

Streeter, Mary Elizabeth, B.A., Syracuse. Assistant Professor, English.

Sung Ch'eng-chih, B.A., West China. Visiting Professor, English Literature.

T'ang Tsu-yao, Special Instructor.

T'ao Liang-sheng, Lecturer, Chinese Language.

Thexton, Annie, M.A., Manitoba. Lecturer, English.

Tu Feng-fu, B.A., West China M.A., Yenching, Associate Professor, Chinese Literature.

Tu Shun-te, M.D., West China Associate Professor, Parasitology.

*Walmsley, Lewis. B.A., B.Paed.. Toronto. Assistant Professor, Psychology.

Wang Chun-hsien, B.S., West China B.D., Yenching. Lecturer, Sociology,

Wang T'i-jen, B.S., West China; Instructor, Physics.

Ward, Annie, B.A., Toronto, Lecturer, Piano.

Wilford, Claudia, Toronto Conservatory of Music. Lecturer, Piano and Organ.

Wilford, Edward Corry, M.D., Toronto; L.R.C.P. & S. Edinburgh; F.A.C.S. Professor, Surgery.

*Williams, Thomas Henry, M.D., C.M., Manitoba; M.C.-P.S., Manitoba; L.M.C.C., Canada; D.T.M.&H. London. Professor, Pathology and Bacteriology.

*Willmott, Katharine, M.A., Lecturer, English.

Wu Hsien-yu, B.A., Lecturer, History and Sociology.

Wu Kuo-chang, B.S., West China M.Sc., Yenching. Assistant Professor, Physics and Mathematics.

Yang Chih-kao, M.D., West China, Instructor, Surgery.

Yang Chia-liang, M.D., West China, Clinician, Surgery.

Yang Yu-yun, Lecturer, Sociology.

Yen Yin, M.C., Instructor, Anatomy.

Yuan, Germaine, Lecturer, French.

Yu Han, M.A., Yenching. Instructor, Biology.

*On leave

STAFF.

Chang Tzu-ch'i, Assistant, Bursar's office.
Chang Yu-ming, Assistant, Registrar's office.
Chin Hsi-T'ien, Head, Photographic Studio
Chin Hsi-sheng, Assistant, Photographic Studio
Chang Ching-po, Assistant, office of Sup't, of Buildings.
K'uang Kuang-yu, Assistant Librarian
Lin Ming-chun, Assistant Curator
Ma Chung-i, Secretary
Teng Kuang-lu, Assistant Librarian
Wu Te-chien, Clerk
Wang Fu-t'ang, Clerk
Yo Ch'ing-ch'en, Assistant Librarian

TRAVEL

During the last few years there has been a very rapid improvement in communications, both within the Province and with other parts of China. Good roads connect the large centers of Szechuan. Other roads are under construction which, when finished, will join this province more closely to other parts of the country.

A very efficient air service, both for passengers and for mail, has been operating for two years.

Persons travelling from Shanghai to Chengtu are advised to book passage on through river steamers from Shanghai to Chungking. In summer and autumn this trip can be made in about ten days; in winter a few more days should be added, but the trip should not take more than two weeks. From Chungking to Chengtu there is a motor bus service which runs regularly, making the distance in two days. The approximate cost of the fare between Chungking and Chengtu is $20.-$25.

UNIVERSITY COLLEGES AND SCHOOLS

The work of the University is carried on under the following Colleges.

I. University Colleges

1. College of Arts—four years
2. College of Science—four years
3. College of Medicine and Dentistry—five years
4. College of Religion—three years

Two years prerequisite college courses are offered under the College of Science to enable students to qualify for entrance to the Medical-Dental Courses.

See College Announcements and Requirements for Admission for detailed information.

The catalogues are printed in the English and Chinese languages in alternate years.

II. University or Affiliated Schools

1. Senior Middle School	Three years
2. Goucher Junior Middle Practice School	Three years
3. Dewey Practice School, Primary	Six years
4. Summer Normal School	One month
5. Summer Bible School	One month
6. Summer School, University Classes	One month

REQUIREMENTS FOR ADMISSION

Candidates seeking admission to the University should call upon, or write to, the Registrar at the Administration Building of the University and secure registration for the Entrance Examination. Candidates who qualify for entrance are required to pay the tuition fee for the term, secure permission to reside in a college dormitory, and have their Schedule of studies approved by their College Principal, the Dean of the College they elect and the Registrar before entering classes. Each applicant must present 4 photographs with his application for admittance. For fuller information in regard to entrance, the student should apply to the Registrar.

1. Character.

All applicants for admission to the college or schools of the University must furnish proof of good moral character. They must promise to obey the rules and regulations of the University, to perform faithfully all scholastic and other duties to which they may be assigned or elected, and to strive at all times to uphold the honor and good name of the University.

2. Scholastic Standards.

The scholastic standards of entrance to the University are determined by the standards of graduation from Middle Schools as fixed by the regulations of the Board of Education of the Chinese Government. and by the college entrance requirements as stated under No. 4. Entrance requirements for the College of Medicine and Dentistry are stated in their catalogue.

3. Union Middle School.

The Union Middle School which for many years has been carried on adjacent to the university but independent of it, and conducted by the several Missions, is now the University Senior Middle School. There will continue to be separate dormitories and the two student bodies will exist as separate groups. Students registering in the Middle School will continue

to do so at the school and will be assigned to their separate dormitories there

4. Entrance Requirements for the Colleges of Arts and Science, and Prerequisite Courses in Medicine and Dentistry.

A. For admission to any course leading to a University degree the candidate shall have completed six years of Junior and Senior Middle School work, and shall also give evidence that he is qualified to do the required work in the course he elects.

(1) Students wishing to enter the College of Arts are required to take entrance examinations in the following subjects;

Chinese Language and Literature; History of Chinese Literature; English; Chinese and Foreign History; Chinese and Foreign Geography; Algebra and Geometry; Physics; Chemistry; Biology; Intelligence Test; Oral Examination.

(2) Students wishing to enter the College of Science are required to take entrance examinations in the following subjects:

Chinese Language and Literature; History of Chinese Literature; English; Algebra and Geometry; Trigonometry and Analytical Geometry; Physics; Chemistry; Biology; Intelligence Test; Oral Examination.

(3) Students wishing to enter the College of Medicine and Dentistry are required to take entrance examinations for the College of Science.

B. An applicant for admission to special subjects or to a course not leading to a degree must pass the regular entrance examination to test his fitness to pursue the subjects or course he desires to elect, and present evidence that he has satisfactorily completed the work prerequisite for such subjects or course. The subjects should not exceed 21 hours and should be selected in consultation with the candidate's College Principal.

The regular rate of tuition is charged for 10 to 21 hours. If less than 10 hours are taken the rate is $3.00 an hour.

Students taking courses subsequent to graduation must obtain the approval of the college in which they wish to study and shall be required to register with the Registrar of the University and their fees shall be the same as for undergraduate students.

Note. A student under this classification who later desires to regularize his course for a degree, may, at the discretion of the Committee on Studies, be given credit for work done.

TUITION

The tuition fees for the all University Colleges are as follows:

	1936 Autumn Term;		1937 Spring Term.	
	Tuition	Dormitory,	Tuition	Dormitory
Arts	$26.	$5.	$22.	$5.
Science	$31.	$5.	$27.	$5.
Medicine & Dentistry	$31.	$5.	$27.	$5.

The above fees will be charged during the regular days of registration.

Tuition fees which are not paid on the two registration days will be increased at the rate of $1. per week until payment is made.

Students registering in the men's medical dormitory in the city will be required to pay an annual fee of five dollars in addition to the regular tuition fee.

All students taking any course or courses in Chemistry shall pay a fee of two dollars to the Chemistry Department.

Examinations and Deposit.

A laboratory deposit fee of $5.00 per Year is required in Science, Medicine and Dentistry and from Arts students taking Science courses. This is returnable after deductions have been made for any breakages by the student.

All laboratory fees are payable with the tuition fees at the time of registration.

Board and Lodging.

Board and lodging are provided in the college dormitories. The student is required to furnish his own bedding. The present rate for board is about $4.00—$5.00 per month payable each term at the time when tuition fees are paid.

Laundry.

Arrangements are made in each of the dormitories for washing, barbering, mending, etc., at the expense of the students.

Books.

Text books may be purchased from the principal book stores of the city. Books may also be purchased from the University Book Store or ordered from the publishers. The cost of books varies in the different faculties. The expense is borne by the student.

Suits and Other Expenses.

An athletic fee of fifty cents will be charged each student each term for athletic supplies and general athletic expenses. A fee of approximately $4.80 is required of all new students for a University uniform. These fees must be paid at the time of registration.

Candidates for graduation are required to provide gown, cap, and hood for the graduation ceremony.

For rates of tuition for summer or special courses apply to the Registrar of the University.

SUMMARY OF YEARLY EXPENSES.

Tuition and other fees	$80—$110
Board and Domitory exp.	45— 50
Books	20— 50
Washing	10— 15
Incidentals	20— 50
TOTAL - - -	$175—$275

GRADUATION DEGREES

(1) At the completion of the prescribed courses the following degrees are conferred by the University upon successful candidates. (See the Colleges Courses of Study).

Bachelor of Arts	(B.A.)
Bachelor of Science	(B.S.)
Doctor of Medicine	(M.D.)
Doctor of Dental Surgery	(D.D.S.)

The Bachelor of Arts Degree—The degree of Bachelor of Arts is conferred upon those students who have met the requirements for graduation in the College of Arts and Science.

The Bachelor of Science Degree—The degree of Bachelor of Science is conferred upon those students who have met the requirements for graduation in the College of Science. The degree of Bachelor of Science, (B.S.) (Pharmacy), will be given upon the satisfactory completion of the prescribed course in Pharmacy and an accepted thesis.

The Degree of Doctor of Medicine—This degree is conferred by authority of the University upon recommendation of the College of Medicine and Dentistry upon such students as have completed the medical course, and have met other requirements requisite for graduation.

The Degree of Doctor of Dental Surgery—This degree is conferred by authority of the University upon the recommendation of the College of Medicine and Dentistry upon such students as have completed the dental courses, and have met other requirements requisite for graduation.

All Degrees are conferred by the University upon authority of the Board of Regents of the University of the State of New York.

(2) College gowns, caps and hoods are required for the graduation ceremony. Candidates for graduation are expected to provide these in conformity with the usage of the College in which they have studied.

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THE LIBRARY

The University Lamont Library is situated within the central plot opposite the Whiting Administration Building. It is an attractive and commodious structure, the gift of Mr. and Mrs. B. C. Lamont of Aberdeen, South Dakota, U.S.A., in memory of their son.

The Library is open on all week days during the college year from 8 a.m. to 4.30 p.m.. on holidays from 9. a.m. to 4. p.m. and during the mid-winter holiday and July from 9 a.m. to noon. The building is closed during the month of August.

Since the installation of electric lights, the Reading and Stack-rooms are also open for two hours during the evening, these hours varying with the seasons.

A radiator heating plant has recently been put in and it is expected will render the offices, stackroom, seminar and reading rooms more comfortable during the winter months.

The Student Reading Room, occupying the entire centre front of the building, is accessible to the graduates, the University students, and during the daytime to such Middle School students as on entering display their school insignia. In this room are placed the dictionaries and an excellent assortment of Chinese current periodicals of both scientific and general interest.

The Faculty Reading Room, situated along the south end of the building and containing foreign language periodicals published in China and abroad, is open to all Faculty members, to graduates and to those students who desire to do assignment or research work in such periodicals. In this reading room are also available the many exchange scientific periodicals which come to the West China Border Research Society from scientific research bodies in China and abroad. Here, too, the International Relations Club has its headquarters and non-members have the privilege of reading the various important publications on international questions which come to the club. The University Book Club, the membership principally among faculty members, houses in this room its collection of

the best annually published works of biography, travelogue, popular science, child training, and historical and problem fiction; after a year or two of circulation within the club, the books become the property of the University Library.

The Stackroom contains general and departmental books in both Chinese and foreign languages, the total number approximating Chinese 69454 other languages 15_59 the latter including about 2000 volumes of bound teachnical periodicals principally in science, medicine and dentistry. A considerable number of pamphlets, reports and a few books, publications of the Smithsonian Institute, the Rockefeller and Carnegie Foundations and various Agricultural Experiment Stations, come annually to the Library. For the present the magazine files occupy the north balcony of the stackroom. In the south balcony is placed the valuable private Chinese library of Mr. Lo Heo Fuh and his family; this collection consists of 25,596 volumes and has been loaned to the University for an indefinite period. Current periodicals, placed for loaning in the two large reading rooms, number in the Chinese language 84, published in China but printed principally in English 22, from abroad, largely in English, 288. These are among the best periodicals of general and scientific interest which can be secured.

Two general seminar rooms are provided for day or night classwork for those instructors and their classes wishing to make use of current periodicals and reference books during the teaching period, for students desiring a quiet place for uninterrupted study, and in the evening for student committees and stereopticon lectures to small groups. Besides, there is a large seminar room set apart for the exclusive use of the Chinese Department and an English Clubroom, each containing a small library and facilities for individual study. There is also a seminar room for the Division of Social Sciences.

Each year the Library is the recipient of many gifts and loans from members of the staff, outside friends, colleges and publishers in China and abroad, including periodical subscriptions, books, pamphlets, catalogues, reports and occasionally pictures. Annually as many standard works are added to the general and departmental libraries as the limited funds of the library and faculties allow.

The Harvard-Yenching Endowment Fund, of which the University has become one of the beneficiaries, has greatly facilitated the addition of valuable standard books both in Chinese and foreign languages, principally in the former, which will be of great value to the department of research in Chinese Studies, literary and scientific, giving to it a most heartening impetus. Without this aid the extremely limited library budget would have severely restricted an unrivalled opportunity which comes because of the unique location of the University and because of the keeness of the entire staff to push forward such work.

MUSEUMS

Three museums are in process of development; one of cultural, historical, and art materials; one a natural history museum, and one a medical-dental museum. These will not only be of much educational value to students, but will enable the University to be of greater service to the people of West China. In each of these museums an excellent beginning has been made, and useful and valuable objects are being acquired either as gifts or by purchase.

The natural history collection is in the Atherton biology and preventive medicine building. The West China Union University Archaeological Museum of historical, cultural and art objects occupies the museum section of the Lamont Library and Museum Building. This museum is sustained by grants by the Harvard-Yenching Institute from the Hall Estate funds designated for the West China Union University. David C. Graham, Ph.D., D.Sc., has recently been appointed as director of this museum. During the past two decades Professor Daniel S. Dye, Rev. Thomas Torrance, F.R.G.S., Rev. J. Huston Edgar, F.R.G.S . F.R.A.I., and others have collected about six thousand objects. Recent additions, and the purchase of many Tibetan objects, have increased the collection to over 13,000 objects, including pottery, jades bronzes, embroideries, coins, stone implements, etc. Of these 10,400 are Chinese, 1500 are Tibetan, about 200 are

from tribal groups in West China, and the rest from foreign countries.

A large collection of paleolithic stone implements has been received, being a gift from J. Huston Edgar. D. C. Graham has found more than eighty soft stone scrapers and punches and knives which fill a whole case and are of great interest. A large gift has come from General Ch'en consisting of two hundred and fifty bricks and iron temple objects including urns and bells.

These have all been catalogued and many of them are on exhibition. It is hoped that this museum will, in future years, have the most complete exhibit of the cultural objects of this general area to be found anywhere in the world, and that it will be a center of study for students in China and abroad, and especially valuable to the people of West China.

The medical and dental collections are in the medical and dental college.

PHOTOGRAPHIC STUDIO

The Photographic Studio was originally outfitted through a grant from the Eastman Kodak Company of Rochester, New York.

In the past the Studio has provided courses in the Art and Technique of Photography, but at present its facilities in staff and equipment are limited.

The Studio serves the faculty in the preparation of lantern slides and all other teaching material requiring photographic co-operation. There is also provided a processing department which develops, enlarges, tints and finishers, etc., for a large group of kodak enthusiasts.

HEALTH REGULATIONS

A special dispensary clinic is open in the Atherton Memorial Building for students of the University and the nearby community. Arrangements also exist with the mission hospitals within the city by which students of the University may be seen without delay in case of sickness. In case of severe illness the University physician will visit the patient in his room, or the patient may be removed to one of the hospitals. Treatment is at the expense of the student.

Physical Culture.

Recognising the fact that an educated mind can be little practical use unless supported by bodily vigour, physical culture is included in the University curriculum. Facilities are given for a medical examination of all students and each student is required to obtain a medical certificate of health previous to registration. Unless this examination is made at the time fixed, the student will be required to pay the regular medical fees.

1. A minimum of 3 hours of systematic physical exercise per week, to count as one and a half credits each term, will be required of all students during their first and second years of precollegiate and college work unless excused by the examining physician.

The students' individual needs and preference will be recognized as far as possible. The course will involve free-hand calisthenics, wand drill, apparatus work and a variety of track and field games. In addition to the above requirements there will be an opportunity for students to take part in voluntary sports.

2. The control of athletics and physical culture is centralized in an Athletic Committee appointed by the Student Association. Health affairs are in charge of the Health Committee.

3. All students in their first years of residence will be required to provide suitable althletic suits costing approximately $2.00. This amount must be paid at the beginning of the College year at the same time as other fees.

The standing of students in the subject of physical culture is determined by attendance at classes and the interest and general attention shown.

RECITATIONS, EXAMINATIONS, DISCIPLINE, RULES.

Attendance at Lectures.

Attendance at the regular lectures, recitations and examinations of the University is compulsory. Any student under necessity of absenting himself, must first obtain a written permit from his College Principal, and see that the form is properly filed with the Registrar. Absences from any class during one term are limited to the number of hours required in that subject each week. Two marks will be deducted for each absence in excess of limit.

Students appearing late for lectures may have marks deducted.

Essays, preparation of notebooks, monthly tests, grades, etc., are the option of, and under the control of the instructors.

Examinations

1. Term and final examinations are required by the colleges.

2. Where the coures course two terms' work, the student must make a grade of at least 60% for each term. The two terms' grades shall not be averaged. Each term's grade is determined by the class work as well as the examination mark.

3. Any student failing to obtain a satisfactory grade during the term may be excluded from the examination.

4. Students wilfully absenting themselves from class tests or term examinations shall not be allowed to try the final examination.

5. Every student must take the regular examination unless he presents a medical certificate of illness signed by a university physician, or unless he is exempted because of the death of a parent or other important reason.

6. In case of unavoidable absence from term or final examinations, supplementary examinations may be given at the discretion of the college. Application for such examinations should be made through the college Principal and Registrar.

7. A student of any year who fails to get 40% in one-third of his credits in the final examinations of the year must repeat the year.

8. A student failing in any subject in a term or final examination may be given a supplemental examination before the opening of the next term. The fee for such an examination is fifty cents.

9. Supplemental examinations for students failing in the autumn term will be held within two weeks' time of the opening of the Spring term. Supplemental examinations for students failing in the spring term will be held two weeks before the opening of the autumn term.

10. No supplemental examination will be given after the close of the term following the term when the course was taken.

11. If a student fails in more than half of his credits in any year he shall not be given a supplemental examination unless he has a university physician's certificate of illness. In such a case, special consideration will be given the student.

12. No student in the university shall be permitted to repeat any year in college more than once.

13. No credits shall be given for a half year's work in a course which covers a year unless there are reasons which are satisfactory to the Committee on Studies.

14. Any student found cheating at any examination will forfeit his marks in that subject, and will receive two marks of discredit, besides.

15. The standing of students in term and final examinations is published by the Registrar. Pass cards are also issued for the information of students and parents.

16. A student who discontinues his studies for more than one year, on re-entering must meet requirements for entrance to the year in which he wishes to register.

17. All candidates for graduation degrees are required to present a Thesis. The subject of the Thesis should be approved by the head of the Department and the Dean of the College at the close of the Junior Year. The Thesis should be presented to the Dean of the College not later than the middle of May of the year in which the candidate hopes to graduate.

Discipline.

Any student refusing to obey the rules of the University may be permanently expelled or suspended for a period of time as may be determined by the University authorities.

In case a student is expelled or suspended no fees will be refunded.

The use of wine or cigarettes on the University grounds is forbidden.

The carrying of firearms or the shooting of birds is prohibited on the university grounds.

Visitors.

Visitors to the dormitories are received, in general, only after 4 p.m.

Persons desiring to visit the Classes of the University are requested to notify the President in advance.

Religious Services.

In addition to the courses in religious knowledge offered, daily morning chapel and Sunday evening services are held in University Colleges or Schools for all students.

The churches of the city cordially invite the students of the University to attend their services. They also offer opportunities for those qualified to assist in Christian work.

STUDENT ASSOCIATIONS

The Student Self-Governing Association.

Following the regulations outlined by the Government, the students have organized themselves into a self-governing society which takes oversight of all affairs outside of curricular activities and which concern the student body.

Athletic Association.

Every student is a member of the Athletic Association and is required to pay a fee of fifty cents each term. The

officers are elected once a year. Football, baseball, handball, tennis and other games are played. A fee of fifty cents a term is required, payable to the Bursar.

Educational Club.

The students enrolled in the College of Education, together with other students who are especially interested in Education, are eligible for membership in the Educational Club. Meetings are held periodically with members of the Faculty of Education for the discussion and study of educational problems especially in their relation to the educational work of Szechwan.

†Science Club.

This is an association of the students enrolled in the Faculty of Science and such other students as are particularly interested in scientific subjects. It meets at stated times with members of the College of Science for the discussion of scientific subjects and the application of science to the life of the Szechwanese. Social meetings are also held.

†Arts Club.

The Arts Club is composed of students studying in the College of Arts, who wish to meet to discuss subjects specially connected with their interests, or subjects of current interest. It is hoped that through the Arts Club the social life of the College will be served.

†Medical Students' Association.

This in an association of the students registered in the Faculty of Medicine. Its purpose is twofold. The association meets for the discussion of topics of interest to students in Medicine, and also for social activities. In this way it helps to keep students of different years and dormitories in touch with each other while promoting interest in their chosen profession.

†Dental Students' Society.

The students of the Faculty of Dentistry have organized a Dental Society.

†A fee of fifty cents a term is required.

Membership is open to all dental students and the dental teachers may become honorary members. Besides regular monthly meetings at which the teachers give special lectures, social gatherings are held at the beginning and end of each term. Special meetings are held as occasions demand.

Pharmacy Students' Association.

This is an association of the students registered in the Department of Pharmacy.

Meetings of the association are planned to be held at regular periods, some of which are of a social nature, while others take the form of special lectures and discussions on topics intended to promote interest in the profession of Pharmacy.

English Club.

All students who are taking a major or a minor course in English are eligible for membership in the English Club. Other students who have a special interest in English are also welcomed. All the business and social activities of the Club are carried on in the English language. The Club sponsors plays given in English at intervals during the academic year.

Chinese Club.

Students in the Department of Chinese and members of the Faculty of Chinese have organized a Chinese Club. This Club meets to hear and discuss papers and lectures on subjects related to Chinese studies. The Club also affords opportunity for social intercourse.

Social Science Club.

All students and members of the Faculty who are interested in the Social Sciences may be members of this club. It meets several times each term to receive reports and hold discussions on topics concerning the social life of the people of Szechwan.

The Philosophy Club.

Students of the department of philosophy and members of the faculty interested have organized a philosophy club. This club meets to hear papers and lectures on some subject of philosophy and for social intercourse.

The Phi Tau Phi Society.

A Chapter of the Phi Tau Phi Society was organized in the West China Union University in the year 1923 and is now recognized as one of the chapters of the National Organization.

International Relations Club.

This Club was organized in 1932 in connection with the Carnegie Endowment for International Peace. The membership is composed of both students and faculty who are eager to study international questions objectively. At the monthly meetings one member is requested to give a review of current events, and another member is asked to give a review of a book on international problems.

Books, pamphlets, and periodicals are received regularly from the Headquarters of the organization in New York. These materials are placed on a shelf in the Faculty Reading Room in the Library and are available as reference books.

Occasionally, distinguished persons are invited to lecture to the University Community on some subject intimately connected with world peace.

Christian Student Movement.

Students who are especially interested in Christian service are organized in Religious Clubs and Associations. They meet for the discussion of religious subjects and forms of Christian service and mutual helpfulness.

Association of Graduates.

The graduates of the University are organized as the Association of Graduates of the West China Union University. Their headquarters are at the Administration Building of the University.

SCHOLARSHIPS.

Scholarships and Prizes.

1. *Rosemond Scholarships.* These scholarships are the gift of Fred L. Rosemond, Cambridge, Ohio, U.S.A , who gave Gold $600.00 the interest of which is to be used in providing tuition for worthy students. This money is to be applied to the winner of the Annual and Entrance scholarships in as far as the proceeds of the fund will provide such scholarships.

2. *Wallace Scholarship:* Through the kindness of Miss Wallace, Toronto, the University is enabled to offer a special scholarship amounting to G. $25.00 to a candidate who stands highest (at least 75%) in the regular examinations for entrance to the University. This scholarship is applicable to students for the first year's work in the college course of the Division of Education at the discretion of the Faculty.

3. *Clifford M. Stubbs Memorial Scholarship in Pre-Medical and Pre-Dental Sciences.*

This scholarship amounting to $50.00 will be awarded annually to the student who completes the pre-medical or pre-dental courses with the highest standing for the entire course. His standing shall be reckoned on the basis of the weighted average of the subjects prescribed in the university catalogue. The scholarship shall not be awarded to any student who has obtained a weighted average of less than 75%.

In exceptional cases, if no person has obtained an academic standing sufficient to qualify him for the scholarship, it may be awarded to a student with a lower academic standing, provided that he has failed in no subject, and provided that he exemplifies to an unusual degree those qualities of character so well revealed in the life of Dr. Stubbs. The deans of Science, Medicine and Dentistry shall in such cases make unanimous recommendation that the scholarship be awarded.

Note.—In weighting the average, chemistry, biology, physics and english shall be reckoned as of approximately equal value, and shall total at least 90% of the course.

4. *Clifford M. Stubbs Scholarships in the College of Science.* The Scholarships will consist of

1. Tuition, or such per cent of tuition, as the income will allow of the students (or more in case of tie) in Science of the third and fourth years.
2. One Scholarship is for a student of the Chemistry Department, and one is for another student in the Science Faculty who may be registered in any department.
3. The average grade for the year (2nd or 3rd) must be at least 80% and no science grade may drop below 80%, and the scholarship must be won each year.
4. The scholarships are to be awarded upon recommendation of the Science Faculty to the Committee of Studies upon the basis of Scholarship, Character and Health.
5. The scholarships may be withheld for a year when the faculty deems that the standard of work is below the standard set.

5. *Special Scholarships and Prizes for the Department of Pharmacy.*

1. General Proficiency Prize:—This prize of $10.00 toward tuition in the second year will be awarded to the student who has received the highest standing among those who have received an average of 80% or over in the subjects in the first year.
2. General Proficiency Scholarship:—This scholarship of $65.00 toward tuition in the third year will be awarded to the student who has received the highest standing among those who have received an average of 80% or over in the subjects in the second year.
3. General Proficiency Scholarship:—This scholarship of $65.00 toward tuition in the fourth year will be awarded to the student who has received the highest standing among those who have received an average of 80% or over in the subjects in the third year.
4. Materia Medica Prize:—This prize of $10.00 toward tuition or books for the following year, will be awarded to the student who has received the highest standing among those who have received 80% or over in Materia Medica (Ph. 7-8).
5. Pharmacy Prize:—This prize of $100.00 toward tuition or books for the following year, will be awarded to the student who has received the highest standing among those who have received 80% or over in Pharmaceutical Processes and Galenical Pharmacy (Ph. 11-12 and Ph. 15-16).

Chinese Drug Research Prize:—This prize of $40.00 will be awarded, at the discretion of the Faculty, to the student who has received a satisfactorily high standing in the course "Chinese Drug Research" (Ph. 27-28), and who shows special adaptation and inclination to continue studies in this phase of Pharmacy.

6. *Pollard Scholarship.* This scholarship was founded in memory of Samual Pollard, missionary to the Tribes People, for the education of students from that territory, the capital for this scholarship is $1000.00 which is invested, giving 6% interest making available an annual sum of $60.00.

7. *The Luke Hsiao Scholarship.* By this scholarship, which is granted by Dr. Luke Hsiao, a graduate of our university of the class of 1923, tuition is supplied to a student pursuing the Medical Course. This scholarship is available to a student of high moral character, ranking high in his classroom work and who is not in a position to pay his own fees. It is expected that the money used will be repaid by the student after graduation and thus become available for another scholarship in the future.

8. *The Koh Scholarships.* These scholarships are granted by Mr. Koh Shu Kao, a friend of the university. They consist of free tuition for ten students studying in any college and in any year. They are allotted annually upon a basis of character and standing and to students who are not in a position to pay fees. It is expected that the money thus used will be returned after graduation and thus become available for more scholarships in the future.

9. *Thompson Memorial Scholarship.*

This scholarship is made available through the kindness of Mrs. Thompson in memory of Dr. John E. Thompson, who was a professor in the College of Medicine and Dentistry till his death in 1932.

Two annual scholarships of approximately $35.each shall be awarded to students in dentistry at the end of the third year proper (fifth year of the seven year course), on recommendation of the dental members of the College. In award-

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ing the scholarships, general proficiency and character shall be the basis of award.

10. The Mrs. Yun Meng-chao Scholarship: This scholarship provides tuition for the fourth year in the College of Medicine. For detailed information, please apply to the Registrar of the University.

11. The Harvard-Yenching Fund grants three scholarships annually to students in the second or third year in the Department of Chinese. These Scholarships entitle the holders to free tuition for one year. A committee, the chairman of which is the Head of the Chinese Department, passes on the applications for these scholarships. The following conditions have been imposed:

(1) An applicant must furnish ample proof that he is in need of such financial assistance.

(2) An applicant must have maintained an average grade of at least 75% in all subjects taken in the Department of Chinese.

(3) All note-books and reports on supervised study must have been submitted according to schedule.

(4) All essays written by the applicant must have been submitted according to schedule.

(5) All outside work assigned by the instructors must have been satisfactorily completed.

(6) The applicant must not have had any unexcused absences.

(7) The applicant must be a person of good character, and of a sound constitution. He must have no habits of drinking or smoking.

12. Essay Competition: The Hodgkin Memorial Fund provides certain prizes for successful candidates in an essay competition on world peace movements and international co-operation. This is an annual competition with three prizes of $30., $20., and $10. Further information may be obtained from Dean Lo or Mr. Sewell. Announcements will also appear on the Bulletin Board.

13. Oratorical Contest: The Hokgkin Memorial Fund sponsors an annual oratorical contest on subjects relating to world peace and international co-operation. Prizes of $10., $7., and $5. are offered.

HISTORICAL DEVELOPMENT, PRESENT STATUS, AND INTERNAL ORGANIZATION OF THE COLLEGE OF ARTS.

From the beginning, The College of Arts has had an important place in the organization of the University. Of the nine faculty members who were on the staff in 1910, six were teaching in the College of Arts. In 1913, when the University was re-opened after the Revolution, The College of Arts was divided into five departments—English, Education, History, Philosophy, and Religious Education and Social Service. In 1919 Education became an independent faculty with its own dean and seven instructors, leaving the College of Arts with a faculty of thirteen.

In 1920 the Department of Chinese Language and Literature first appeared in name, but was taught by only one teacher who offered two courses a week. It was properly organized as a department in 1926. Three years later this department received an endowment from the Hall Estate, and has grown rapidly ever since.

Music and Arts were first introduced into the curriculum in 1921, and were properly organized into a Department of Fine Arts in 1929.

In 1931, when the University applied to be registered with the Board of Education of the Chinese National Government, the Faculty of Education was again united with the College of Arts, and recognized as one of its departments. The College was then divided into seven departments:—Chinese Language and Literature, Philosophy, Education, History, Sociology, Foreign Languages and Literature, and Fine Arts.

In the Spring of 1935 inspectors from the Board of Education of the National Government came to visit the University, and the College of Arts was requested to reorganize into four departments, now known as the Department of Chinese, the Department of Foreign Languages, the Department of Philosophy, Education, and Fine Arts, and the Department of History, Political and Social Sciences.

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Notes on the College of Arts.

HOUSING:

The College of Arts has its administrative offices in the Whiting Memorial Administration Hall. Certain classes in English, Fine Arts, Philosophy, and History are taught in the class-rooms in this building.

The Department of Chinese is housed on the first floor of the Friends' College. Classes in Education are carried on in the Cadbury School of Education building. Hart College has set aside class-rooms for the Division of History. The Department of Foreign Languages uses rooms on the first floor of Vandeman Hall.

Besides these regular class-rooms there are three seminar rooms in the Lamont Library building used by the Department of Chinese, the Division of English Literature, and the Division of Social Sciences, respectively. These rooms are provided with small libraries dealing with the special subject, and other facilities for individual study.

THE LIBRARY:

The Library of the College of Arts is housed in the Lamont Library building. The following is a summary of the number of books in the College of Arts library:

Department of Chinese	63,564 volumes
Department of Foreign Languages (Books dealing chiefly with the English Language, and with English Literature.)	2,379 volumes
Department of Philosophy, Education, and Fine Arts	8,285 volumes
Department of History, Political and Social Sciences	3,920 volumes
Total -	78,148 volumes

TUITION:

The tuition fee for the College of Arts is as follows:

Autumn term 1936		Spring term 1937	
Tuition	Dormitory	Tuition	Dormitory
$26.	$5.	$22.	$5.

Summary of yearly expenses:	
Tuition and other fees	$80-$110.
Board and Dormitory expenses	45- 50
Books	20- 50
Washing	10- 15
Incidentals	20- 50
Total	$175-$275.

POST-GRADUATE COURSE:

With the opening of the Autumn term 1936, the College of Arts will offer a post-graduate course for the first time. This is course in Co-operative Movements and is to be given in conjunction with the Provincial Council for the Promotion of Rural Co-opertive Societies. The faculty will be drawn from the secretariat of the Provincial Council and from the faculty of the Social Sciences Division. A diploma will be awarded to a student upon his successfully completing the year's course of study.

GRADUATION DEGREE:

At the completion of the prescribed courses in the College of Arts the degree of BACHELOR OF ARTS (B.A.) is conferred upon successful candidates.

All degrees are conferred by the University upon the authority of the Board of Regents of the University of the State of New York.

GOVERNMENT AID:

Since the Autumn of 1934 it has been the policy of the National Board of Education to give financial assistance to certain private universities. A special committee of the National Government and the National Board of Education determines which institutions shall receive such aid, and also what sum shall be granted to each. These two items are contingent upon the quality of work done in the university and the actual financial need of the university. The Government is eager to encourage scientific studies and for that reason grants for equipment and apparatus to Colleges of Sciences and Medicine are more readily obtained than are grants for Colleges of Arts. However, The National Government has made a grant for two consecutive years of $4000. for a Professorship in the Department of Chinese, and a sum of $1703. was given for the purchase of reference books for the College of Arts at large. It is expected that such financial assistance will continue to be given to the College of Arts.

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COLLEGE OF ARTS

Officers of Administration.

Lo Chung-shu	Dean
Smalley, Frank A.	Secretary

CHAIRMEN OF DEPARTMENTS AND HEADS OF DIVISIONS

Ch'eng Chih-hsuan	Chairman of the Department of Chinese.
Moncrieff, Jesse Edwin,	Chairman of the Department of Foreign Languages.
Streeter, Mary E ,	Head of the Division of English Literature.
Liu Chih-chieh	Chairman of the Department of Philosophy, Education, and Fine Arts.
Lo Chung-shu,	Head of the Division of Philosophy
Anderson, Eleanor Waverly,	Head of the Division of Fine Arts
Robertson, Harold Deeks,	Chairman of the Department of History, Political and Social Sciences.
Shen Ssu-chuang	Head of the Division of Sociology and Economics.

Executive Committee:

The Executive Committee is composed of the Dean, Chairmen of Departments, Heads of Divisions; the President of the University, Chancellor, the Dean of Studies (ex officio). The Dean of the College of Arts is the Chairman of the Executive Committee.

Entrance Requirements of the College of Arts

The candidate must have completed prescribed pre-collegiate courses, or have been graduated from an accredited Senior Middle School, and passed the University entrance examinations in the following subjects: Chinese Literature, and Chinese Essay Writing of advanced grade; General and Chinese History and Geography; English; Algebra and Geometry; Chemistry, Physics and Biology; Intelligence Tests and an Oral Examination.

Regulations of the College of Arts

1. With the exception of certain students majoring in Chinese, all the students of the College of Arts are required to take the courses of the Common Freshman year.

2. Beginning with the Sophomore year, each student in the College may take a major course in the department of his choice, and a minor course in connection with another department. The student is not allowed to change his major or his minor course from one department to another without the permission of the Dean of the College and the chairmen of the departments concerned, and the consent of the Registrar. No student can change his major or his minor course after the junior year.

3. The minimum requirement for a major subject is 40 credits, and for a minor subject, 20 credits.

4. The College of Arts requires each student to study four years. The total number of credits required for graduation is 152. These credits are divided as follows: Freshman year 42; Sophomore year 40; Junior year 38; Senior year 32. Students in the Senior year must leave ample time to write the graduation thesis. Under special circumstances, a student may take courses exceeding 32 credits in his Senior year, if the Dean of the College, the chairman of the department and the Registrar agree.

5. All Sophomore students must take 4 credits in Chinese; 8 credits in English; 4 credits in Philosophy; 4 credits either in History of Chinese Literature or History of Chinese Culture; 3 credits in Introduction to Political Science;

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3 credits in Human Geography. Besides the above 26 credits of the Common Sophomore year, students may elect 14 credits from the chosen Major and Minor departments or divisions.

6. Some advance courses are offered in alternate years. Seniors and Juniors are expected to be in the same class in such courses.

7. Beginning from the Sophomore year, students may elect some courses outside the major and minor departments, or courses in other colleges of the University, if permission is granted by the Dean of the College of Arts and the chairman of the major department and the instructor of the courses chosen.

8. These regulations apply to all students entering the University beginning with the autumn of 1936.

Common Freshman Year

			Credits
Chinese	2 hours	per week per year	4
English	8 "	" " " "	8
General Psychology	2 "	" " " "	4
History	3 "	" " " "	5
Sociology	3 "	" " " "	2½
Economics	3 "	" " " "	2½
Biology	5 "	" " " "	6
Ethics	2 "	" " " "	4
Principles of Education	2 "	" " for one term (Fall)	2
How to Study	1 "	" " " "	1
Logic	3 "	" " " (Spring)	3
Total	28 "	" " per year	42

Time-Table of Common Freshman Year

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-9	Biology	English	Sociology (Fall) Economics (Spring)	English	Biology	How to Study (Fall) Logic (Spring)
9-10	Psychology	Sociology (Fall) Economics (Spring)	Ethics	Sociology (Fall) Economics (Spring)	Psychology	Ethics
10-11	English	English	English	English	English	English
11-12						
1-2					Biology	
2-3	History	Chinese	History	Chinese	Biology	
3-4	Principles of Education (Fall) Logic (Spring)	History		Principle of Education (Fall) Logic (Spring)	Biology	

Common Sophomore Year

Chinese	2	hourse	per	week	4
History of Chinese Literature or History of Chinese Culture	3	"	"	"	4
English	6	"	"	"	8
Philosophy (Introducation to Phil, or Problems of Phil, or other courses in Phil, or Religion)	2	"	"	"	4
Introduction to Political Science (Fall)	3	"	"	"	3
Human Geography. (Spring)	3	"	"	"	3
Total -	16	"	"	"	26

Besides the above courses, students must eleet 14 additional credits in the major and minor courses chosen. In the case of the Department of Foreign Languages, the student is required to choose any two of the following three courses: (a) Expository English, (b) Modern Drama. (c) French or German. In the case of the Department of Philosophy Education, and Fine Arts, students are required to take Introduction to Education, Educational Psychology, and Child Psychology, and General Methods of Teaching; or History of Philosophy; or Courses in Music. In case of the Department of Histery. Political and Social Sciences, the students are required to take History of Civilization, Social Survey, and Statistics and four credits of elective. Without the permission of the Dean of the College, students are not allowed to take other courses as substitutes.

THE DEPARTMENT OF CHINESE

Ch'eng Chih-hsuan - -	Chairman of the Bepartment
Chu Shao-pin - - -	History and Literature
Chung Chih-chu - -	Philology and Classics
Tu Feng-fu - - -	Philosophical Works
Cheng Te-kuen - - -	History and Philology
Ch'en Chia-i - - -	Classics
Kung Hsiang-nung - -	Classics
Lin Shan-yu - - -	Poetry and Classics
Li P'ei-fu - - - -	Phonology
Li Ping-ying - - -	Philosophical Works
P'ang Shih-Chou - -	Literary Criticism
Chao Shao-hah - - -	Phonology.
T'ao Liang-sheng - -	Literature; Essays.
P'eng Yun-sheng - -	Philosophical Works
Graham, David C. - -	Archaeology
Liu Li-hsien - - -	History

The aim of the Department of Chinese is to promote the study of Chinese culture and literature; to collect and examine antiquities and materials of historic interest and to interpret Chinese civilization to foreign countries.

Departmental Regulations.

1. The Freshman year is a common course required of all students registered in the department of Chinese. From the Sophomore year to the Senior year, students are divided into two groups, - one group to study Chinese Literature, and the other group to study Chinese culture.

2. Courses in this department are conducted in two ways, - (1) lecture method, (2) supervised study. The latter is conducted in a seminar room of the department where reference books are specially kept for students, and the students are required to hand in reports of their reading regularly to their instructors.

3. Some courses bearing the same title are of different grades and are taught consecutively two or three years. For example, Chinese History is divided into several periods and the periods are taught one after the other either by the same or different instructors in different years.

COURSES OF STUDY

Freshman Year

Philology A	3	hours a week
Phonology A	2	" " "
Chinese Essays A	3	" " " (2 Essays are reqnired monthly)
History of Chinese Literature	3	" " "
Book of Poetry	4	" " "
Cho-Chuan	4	" " "
Works of Mencius	2	" " "
Introduction to History	2	" " "
English	6	" " "
Total	29	" " "

Sophomore Year, Group A

Book of History	3	hours a week
Classics A (Supervised Study of the Book of Poetry)	2	" " "
Chinese History A (Supervised study)	3	" " "
General History B	3	" " "
Book of Rites A	2	" " "
Chinese Essays B	3	" " " (2 Essays are required monthly)
Philology B	3	" " "
Phonolgy B	2	" " "
Philosophical Writings of Sung and Ming Dynasties	2	" " "
Archaeology A (Elective)	3	" " "
English	3	" " "

A total of 23 hours per week per year is required to be chosen from the above.

Sophomore Year, Group B

Philosophical Works of Chuang-Tze	2	hours a week
Philosophical Works of Hsun-Tze	2	" " "
Philosophical Works of Mohti (Supervised Study)	2	" " "
Philosophical Writings of Sung and Ming Dynasties.	2	" " "
Book of History	3	" " "
Philology B	3	" " "
Ancient Phonology	2	" " "
Chinese Essays (2 Essays monthly) B	3	" " "
Literary Criticism	2	" " "
Book of Rites A	2	" " "
Archaeology A	3	" " "
English	3	" " "

A total of 23 hours per week per year is required to be chosen from the above.

Junior Year, Group A

Book of History	3	hours per week
Classics A (Supervised study on Book of Poetry)	2	" " "
Chinese History A (Supervised study)	3	" " "
General History B	3	" " "
Book of Rites B	2	" " "
Classics B (Supervised study on Book of Spring and Autumn)	3	" " "
Chinese Historical Geography	3	" " "
Bibliography	2	" " "
Historical Writings	2	" " "
Archaelogy A (Elective)	3	" " "
Types of Chinese Literature (2 essays are required monthly)	2	" " "
English (Elective)	3	" " "

A total of 23 hours per week per year is required to be chosen from the above.

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Junior Year, Group B

Philosophical Works of Chuang-Tze (Supervised study)	2 hours per week
Philosophical Works of Hsun-Tze (Supervised study)	2 " " "
Philosophical Works of Mohti (Supervised study)	2 " " "
Types of Chinese Literature A (2 essays monthly)	2 " " "
Book of History	3 " " "
Bibliography	2 " " "
Chinese Poetry	2 " " "
Book of Rites B	3 " " "
Historical Geography	3 " " "
Classics B (Elective) (Supervised study on Books of Spring and Autumn)	3 " " "
General History (Elective) B	3 " " "
English (Elective)	3 " " "

A total of 20 hours per week per year is required to be chosen from the above.

Senior Year.

Book of History	3 hours per week
General History:	3 " " "
Classics A (Supervised study on Book of Poetry)	2 " " "
Classics B (Supervised study on Book of Spring and Autumn)	3 " " "
Historical Works (Supervised study on Historical Works) A	3 " " "
Types of Chinese Literature B essay is required monthly)	2 " " "
Archaeology on Chinese Materials A	3 " " "
Historical Geography B	3 hours per week
Philosophical Works of Chuang-tzu	2 " " "
Philosophical Works of Mo-ti	2 " " "
Philosophical Works of Hsun-tzu	2 " " "
Bibliography	2 " " "

A total of 16 hours per week per year is required to be chosen from the above.

Courses of the Chinese Department

			Credits
Chinese 1-2	Philology A	Mr. Chung	3-3
Chinese 3-4	Philology B	Mr. Chung	3-3
Chinese 5-6	Phonology A	Mr. Li	2-2
Chinese 7-8	Phonology B	Mr. Chao	2-2
Chinese 9-10	Chinese Essays	Mr. T'ao	3-3
Chinese 11-12	History of Chinese Literature	Mr. Tu	3-3
Chinese 13-14	The Analects	Mr. P'eng	2-2
Chinese 15-16	Book of Mencius	Mr. P'eng	2-2
Chinese 17-18	Cho-Chuan	Mr. Chung	4-4
Chinese 19-20	Book of Poetry	Mr. Ch'en	4-4
Chinese 21-22	Supervised Study: Book of History	Mr. Chao	3-3
Chinese 23-24	" " Book of Changes	Mr. Kung	3-3
Chinese 25-26	" " Book of Rites	Mr. Kung	3-3
Chinese 27-28	" " Spring and Autumn Annals	Mr. Chu	3-3
Chinese 39-40	" " Historical Works	Mr. Chu	3-3
Chinese 41-42	" " Historical Works	Mr. Liu	3-3
Chinese 43-44	" " Historical Works	Mr. Ch'eng	3-3
Chinese 45-46	Types of Chinese Literature A	Mr. Li	2-2
Chinese 47-48	Types of Chinese Literature B	Mr. Lin	2-2
Chinese 49-50	Types of Chinese Literature C	Mr. Chung	2-2
Chinese 51-52	Philosophical Works of Lao-tzu	Mr. Tu	2-2
Chinese 53-54	Philosophical Works of Chung-tzu	Mr. Li	3-3
Chinese 55-56	Philosophical Works of Hsun-tzu	Mr. Tu	3-3
Chinese 57-58	Philosophical Works of Mo-ti	Mr. Tu	3-3

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Chinese 59-60 Philosophical Works of Huei-nan-tzu	Mr. Tu	2-2
Chinese 61-62 Philosophical Works of Han-fei-tzu		
Chinese 63-64 Philosophical Works of Shang-chun	Mr. Chu	4-4
Chinese 65-66 Philosophical Works		
Chinese 67-68 Philosophical Works of Sung and Yuan Dynasties	Mr. P'eng	
Chinese 69-70 Chinese Philosophical Works of the Ming Dynasty	Mr. P'eng	
Chinese 71-72 Bibliography	Mr. Kung	2-2
Chinese 73-74 Critical Study of Chinese Language	Mr. Kung	2-2
Chinese 75-76 Historical Writing A (Shih-Chi)	Mr. Liu	2-2
Chinese 77-78 Historical Writings B (Han-Hsu)	Mr. Liu	2-2
Chinese 79-80 Poetry of Han and Wei Dynasties	Mr. Lin	2-2
Chinese 81-82 Poetry since T'ang and Sung Dynasties	Mr. Lin	2-2
Chinese 83-84 Chinese Criticism	Mr. P'ang	2-2
Chinese 85-86 Archaeology	Mr. Ch'eng	2-2
Chinese 87-88 Archaeology	Mr. Graham	2-2
Chinese 89-90 History of International Relations between China and Western Nations	Mr. Ch'eng	3-3
Chinese 91-92 Chinese Fairy Stories	Mr. Ch'eng	2-2

Note: The credits are based upon one hour per week per term equalling one credit.

THE DEPARTMENT OF FOREIGN LANGUAGES

Comprising

I. The Division of Languages (English, French German)

II. The Division of English Literature

Moncrieff, Jesse Edwin,	Chairman of the Department
Streeter, Mary E.,	Head of the Division of English Literature
Albertson, Wilford	Commercial English
Downer, Sara Boddie,	English Language
Fosnot, Pearl	English Language
Foster, B. Louise,	English Language
Lindsay, Alice	Rhetoric
Mullett, Pearl	English Language
*Phelps, Dryden	English Literature
P'u, Hope	Preparatory English
Robertson, Harold Deeks,	Prose
Smalley, Frank A.,	German Language
Sung Ch'eng-chih	English Literature
Spooner, Kathleen,	English Literature
Thexton, Annie	Drama
*Willmott, Katharine,	English Literature
Yuan, Germaine,	French Language

*On leave

The Department of Foreign Languages offers courses with the following aims:

1. To increase the student's facility in the use of oral and written English (or French, or German), especially developing to the point of enjoyment his ability to read the foreign language.

2. To impart to the student some knowledge and appreciation of the history, culture and literature of the country whose language is studied. And, in the case of English,

3. To co-operate with the Department of Education in training teachers of English.

Departmental Regulations.

1. Students will be graded according to their general ability to understand and use English (or French, or German), as well as upon the subject matter of the various courses offered.

2. English 11-12, 13-14, and 15-16 are required of all first-year students. Either English 21-22 or 23-24, together with English 31-32, must be taken by all candidates for graduation in Arts.

3. Students wishing to take a Major course in the Division of English Literature must have made a grade of at least 70% in each of the English courses of the first year (11-12, 13-14, and 15-16), and must have made an average grade in these courses of at least 75%.

4. (a) Arts students who have made an average grade of at least 75% in first-year English courses (11-12, 13-14, and 15-16), are eligible for the course in Rhetoric (23-24) the second year. (b) All other students must take the course in Composition (21-22). (c) Students taking a Major course in the Division of English Literature must take the course in Rhetoric (23-24) in their second year.

5. Students who fail to maintain an average grade of 75% in their English courses the second year may not continue to take their Major course in the Division of English Literature.

6. All courses in English Literature are open to students taking a Minor course in English Literature. No students may be admitted as a Minor in English Literature who has not made an average of at least 70% in first-year English courses.

7. With the exception of the course in Elizabethan Drama (53-54), and the course in the History of English Literature (91-92), all advanced courses are open to students in other departments in their third and fourth years who have made an average of at least 70% in first and second year English courses.

8. Full credit can be allowed for French 1-2 only when French 4-4 is also taken, and for German 1-2 only when German 3-4 is also taken.

Course of study for students majoring in English Literature.

		Credits
FIRST YEAR: The Common Freshman Year for all Arts students		42
SECOND YEAR: Studies Common to the Second in Arts		26
Divisional requirements as follows:		
(a) English 33-34 Expository English	4	
English 51-52 Modern Drama	4	
Approved Electives	6	
or		
(b) Choice of English 33-34 or 51-52	4	
French or German	6	
Approved electives	4	
		14
		40
THIRD YEAR: "Core" Subjects in English Literature		20
Electives in this Department (English Literature or French or German)		
or		
Approved electives in the Department of Philosophy given in English		
or		
Approved electives in the Department of History & Sociology given in English	6	
Other electives approved by the Division	12	
		38
FOURTH YEAR: "Core" Subjects in English Literature	20	
Electives in this Department		
or		
Approved electives in the Department of Philosophy given in English		
or		
Approved electives in the Department of History & Sociology given in English	6	
Other electives approved by the Division	6	
		32
Credits required for Graduation		152

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The Division of English Literature.

Most of the courses in the Division of English Literature are offered in alternate years.

In 1936-1937 the following courses are offered:

	Credits
*English 35-36 The English Essayists	2-2
*English 43-44 The English Novel (Later Period	3-3
*English 53-54 Elizabethan Drama	3-3
*English 61-62 Nineteenth Century Poets	2-2
English 65-66 Modern Poetry	2-2
English 71 The Teaching of English (one term only)	2
English 72 Phonetics and Pronunciation (one term only)	2
English 93-94 Supervised Reading	2-2
English 95-96 see note below	

In 1937-1938 the following courses are to be offered:

*English 25-26 Advanced Composition	2-2
*English 37-38 Current Prose	2-2
*English 41-42 The English Novel (Earlier Period)	3-3
*English 91-92 History of English Literature	3-3
English 63-64 Tennyson and Browning	2-2
English 93-94 Supervised Reading	2-2
English 97-98 The English Bible as Literature	2-2

The first four courses listed for each year (those marked with a star) form the "core" subjects in the Division of English Literature; they represent the minimum requirements of a Major course in English Literature.

(Added Course) (1936-1937)

English 95-96 Readings in the English New Testament with parallel readings in Chinese 1-1

The number of lectures per week, unless otherwise indicated, is the same as the number of credits per term.

Credits

English 11-12 First Year English Prose 1½-1½
Required: 1, all departments.
Lectures: 3 hours a week throughout the year.

English 13-14 First Year Composition 1½-1½
Required: 1, all departments.
Lectures: 3 hours a week throughout the year.

English 15-15 First Year Oral English
Required: 1, all departments.
Lectures: 2 hours a week throughout the year.

English 21-22 Second Year Composition 2-2
Prerequisite: English 13-14.
Required: 2, all departments, except those students taking English 23-24.
Lectures: 3 hours a week throughout the year.

English 23-24 Rhetoric and Composition 2-2
Prerequisite: English 13-14.
Required: 2, Division of English Literature.
Elective: Other students in the College of Arts who have maintained an average of at least 75% in first year English courses.
Lectures: 3 hours a week throughout the year.

English 25-26 Advanced Composition 2-2
Prerequisite: English 23-24.
Required: 3, 4, Division of English Literature.
Elective: 3, 4, other qualified students.
To be offered in 1937-1938.

English 31-32 Modern Essays and Other Prose 2-2
Prerequisite: English 11-22.
Required: 2, all departments.
Lectures: 3 hours a week throughout the year.

English 33-34 Expository English 2-2
A reading course with emphasis upon extensive and analytic reading, note taking, the collection and organization of materials, written and oral reports.
Required: 2, Division of English Literature, except those taking English 51-52.
Elective: 2, 3, other qualified students.

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Credits

English 35-36 English Essayists 2-2
Required: 3, 4, Division of English Literature.
Elective: 3, 4, other qualified students.
Offered in 1936-1937.

English 37-38 Current Prose 2-2
Required: 3, 4, Division of English Literature.
Elective: 3, 4, other qualified students.
To be offered in 1937-1938.

English 41-42 The English Novel (Earlier Period) 3-3
Required: 3, 4, Division of English Literature.
Elective: 3, 4, other qualified students.
To be offered in 1937-1938.

English 43-44 The English Novel (Later Period) 3-3
Required: 3, 4, Division of English Literature.
Elective: 3, 4, other qualified students.
Offered in 1936-1937.

English 51-52 Modern Drama 2-2
Required: 2, Division of English Literature, except those taking English 33-34.
Elective: 2, 3, other qualified students.

English 53-54 Elizabethan Drama 3-3
Required: 3, 4, Division of English Literature.
Note: This course is open only to students taking a major course in English Literature.
Offered in 1936-1937.

English 61-62 Nineteenth Century Poets 2-2
Required: 3, 4, Division of English Literature.
Elective: 3, 4, other qualified students.
Offered in 1936-1937.

English 63-64 Tennyson and Browning 2-2
Elective: 3, 4,
To be offered in 1937-1938.

English 65-66 Modern Poetry 2-2
Elective: 3, 4.
Offered in 1936-1937.

English 71 The Teaching of English 2
Elective: 3, 4. Autumn term only.

English 72 Phonetics and Pronunciation 2
Elective: 3, 4. Spring term only.

Credits

English 81-82 English for Third Year Medical Students 3-3
A course in general Reading.

English 83-84 English in Commercial Life 3-3
This course includes an acquaintance with the use of English in world trade, international exchange, and general business.
Elective: 3, 4.

English 91-92 History of English Literature 3-3
Required: 3, 4, Division of English Literature.
Note: This course is open only to students taking a major course in English Literature.

English 93-94 Supervised Reading 2-2
A reading course mapped out to suit the needs of individual students. No class work, but fortnightly conferences with the instructor will be required, and written reports may be called for from time to time. This course may be taken for credit two years in succession.
Elective: 3, 4.

English 95-96 Readings in the English New Testament with parallel readings in Chinese. 1-1
Elective: 3, 4.
Offered in 1936-1937.

English 97-98 English Bible as Literature 2-2
Elective: 3, 4.
To be offered in 1937-1938.

French 1-2 Elementary French 3-3
Full credit is allowed only when French 3-4 is taken.
Elective: 2, 3, 4

French 3-4 Readings in French 3-3
Elective: 3, 4

German 1-2 Elementary German 3-3
Full credit is allowed only when German 3-4 is taken.
Elective: 2, 3, 4.

German 3-4 Readings in German 3-3
Elective: 3, 4.

THE DEPARTMENT OF PHILOSOPHY, EDUCATION AND FINE ARTS

Chairman of the Department: Liu Chih-chieh

I. THE DIVISION OF PHILOSOPHY

Lo Chung-shu - - -	Head of the Division: Philosophy
*Sparling, George, - -	Philosophy of Religion
Feng Shu-hsuan - - -	Psychology
Simkin, Robert - - -	History of Christian Thought
Sung Ch'eng-chih - -	Ethics
Tu Feng-fu - - -	Chinese Philosophy
Fosnot, Pearl - - -	Ethics
Hansing, Ovidia - - -	Logic and Psychology
*Walmsley, Lewis - -	Experimental Psychology
Huang Fang-kang - -	Philosophy
Hsiao Wen-jo - - -	Psychology of Religion
Pen Yuan-leng - - -	Philosophy of Confucius

*On Leave.

The aim of the Division of Philosophy is to deepen the insight of the student facing the fundamental issues of life and of thought; to create a capacity for original thought and a constructive approach to the intellectual problems of to-day.

Divisional Regulations

1. Students majoring in Philosophy are required to take the following courses:

	Credits
History of Chinese Philosophy	6
History of Western Philosophy	6
Classical Chinese Philosophical Works	12
Classical Western Philosophical Works	12
Courses in Ethics, Logic, and Psychology	12

2. Students who are taking a minor course in Philosophy are required to take 20 credits in this Division. Courses chosen to meet individual needs will be selected under the supervision of the Head of the Division.

DESCRIPTION OF COURSE

1. Philosophy in General.

Credits

Philosophy 1-2 Introduction to Philosophy Mr. Lo 2-2
An introduction to the subject of Philosophy through the study of its major problems.

Philosophy 3-4 Problems of Philosophy Mr. Huang 2-2
A discussion of the vital problems in the field of Philosophy.

2. Logic.

Philosophy 12 Elementary Logic Miss Hansing 3
This course is an introduction to Logic for general students. It emphasizes the practical application of reasoning; the use of induction and deduction in scientific thought.

Philosophy 13-14 Advanced Logic Miss Hansing 2-2
A thorough study of the fundamental problems in Logic and a survey of logical theories.

Philosophy 15-16 Epistemology Mr. Lo 2-2
A critical study of various theories of knowledge. Prerequsite: History of Philosophy and Logic

3. Ethics.

Philosophy 21-22 General Ethics Miss Fosnot 2-2
An introductory study of the major problems of Ethics.

Credits

Philosophy 23-24 Christian Ethics Miss Fosnot 2-2
A study of basic ethical principles is made and some modern social problems are considered in the light of Christian Ethics.

Philosophy 25-26 Ethical Systems Mr. Lo 2-2
A comprehensive study of the principal types of ethical theory and their influence in practical life.

Philosophy 27-28 Philosophy of Life Mr. Hsiao 3
A study of the fundamental problems of life.

Philosophy 29-30 A Study of Character Building Mr. Song 1-1
A study of some of the guiding principles for character building.

4. Psychology.

Philosophy 31-32 General Psychology Mr. Fong 2-2
A study of the principles of human behavior and the relation of psychological facts to everyday life.

Philosophy 33-34 Experimental Psychology Mr. Walmsley 3-3
This course is an introduction to the data of experimental psychology, and the application of experimental methods to the study of psychological problems.

Philosophy 35-36 Social Psychology Mr. Walmsley 2-2
A study of group behavior and man's adjustment to civilization.

Philosophy 37-38 Systematic Psychology 3-3
Systematic study of some representative schools of Psychology.

Philosophy 39-40 Abnormal Psychology Miss Hansing 2-2
A study of abnormal behavior and mental health.

5. Oriental Philosophy

Philosophy 41-42 History of Chinese Philosophy Mr. Liu 3-3
A study of Chinese thinking from the Chao dynasty to recent times.

Credits

Philosophy 43-44 Philosophy of Daoism Mr. Du 2-2
A critical study of the works of the Daoist Philosophers such as Laotze, Chungtze, and how they developed their ideas.

Philosophy 45-46 Philosophy of Confucianism Mr. Pen 2-2
A study of Confucius, Mencius, and Shuntze.

Philosophy 47-48 Philosophy of Mohti Mr. Du 2-2
An analytical study of the ethical and logical ideas of Mohti and his school.

Philosophy 49-50 Philosophy of Logicians Mr. Lo 2-2
A critical study of the works of ancient Chinese Logicians, and a comparison of their Logic with that of Western Logicians.

Philosophy 51-52 Philosophy of Buddhism 2-2
A study of the philosophical ideas of Buddhism.

6. Occidental Philosophy.

Philosophy 61-62 History of Western Philosophy Mr. Hsiao 3-3
This course traces the stages in the development of occidental thought from the early Greeks to the present.

Philosophy 63-64 Recent Western Philosophy Mr. Sparling 2-2
A history of Western Philosophy with special emphasis on modern philosophers such as Bergson, Morgan, Russell, and others.

Philosophy 65-66 Reading in Philosophy Mr. Lo 2-2
A reading course of the writings of some ancient and contemporary philosophers.

Philosophy 67-68 Philosophy of Plato Mr. Lo 3-3
An intensive study of Plato's Dialogues with special reference to the epistemological, metaphysical, and ethical problems of Plato.

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Philosophy 69-70 Philosophy of Aristotle Mr. Lo 2-2
A study of the works of Aristotle with special emphasis on his "Ethics."

Philosophy 71-72 Philosophy of Kant Miss Hansing 2-2
Reading of the "Critique of Pure Reason" and selections from other writings of Kant.

7. Philosophy and Religion

Philosophy 81-82 Philosophy of Religion Mr. Hsiao 2-2
A study of the nature and scope of religion in the light of the knowledge of religious history, and a discussion of the origin and development of religion and religious consciousness in connection with some philosophical questions.

Philosophy 83-84 Comparative Religion Mr. Hsiao 2-2
Confucianism, Buddhism, and Christianity compared.

Philosophy 85-86 Problems of Religion Mr. Sparling 2-2
At attempt will be made to trace the development of religion and to answer some of the problems which arise in seeking to understand it.

Philosophy 87-88 History of Christian Thought Mr. Simkin 2-2
A study of the controlling religious conceptions of the Christian church from its rise to the present.

Philosophy 89-90 Comparative Study of Philosophy, Science, and Religion Mr. Hsiao 2-2

Note: The number of lectures per week, unless otherwise indicated, is the same as the number of credits per term.

II. DIVISION OF EDUCATION

Liu Chih-chieh	Head of the Division: Secondary Education
Ch'eng Chih-hsuan	History of Chinese Education
Feng Shu-hsuan	Psychology: Education
Collier, Mary	Extra-curricular Activities
*Dickinson, Frank	Rural Sociology and Extension
Dye, Jane	Methods in Mathematics
Fosnot, Pearl	General Methods
Hansing, Ovidia	Educational Psychology
Huang Mien	Agriculture
Lo Chung-shu	Philosophy of Education
Moncrieff, Jesse	Methods in English
*Walmsley, Lewis	Experimental Psychology
Li Ming-liang	Agriculture
Chapman, B. B.	Methods in Social Sciences
Ch'iao Kuo-Ch'ang	Methods in Chinese

*On Leave

II Status

The Division of Education, for purposes of registration with the Government, is a Division of the Department of Philosophy, Education, and Fine Arts of the College of Arts.

III Aims

The aims of the Division are three-fold:

1. To train secondary school teachers.
2. To train administrators for schools and for administrative offices.
3. To train research workers in the field of Education.

IV Divisional Regulations.

1. Major Course in Education.

a. Majors in Education must finish the common Freshman course required of all first year students in Arts, and the required courses for second year Arts students.

b. Majors in Education must gain 40 credits in Education during three years, beginning with the second year.

c. The course for Majors in Education is as follows:

First Year:

The common course required of all first year students in Arts.

Second Year:

a.	The required courses for all second year students in Arts	26
b.	The following courses in Education:	
	1. Introduction to Psychology	3
	2. Educational Psychology	3
	3. Child Psychology	3
	4. Class-room Management	2
	5. General Methods	2-2
c.	In addition courses for materials for teaching	4

Third Year:

a.	Methods of Teaching Chinese Language	3
	Methods of Teaching English	3
	Methods of Teaching Mathematics	3
	Methods of Teaching the Social Sciences	3
	Methods of Teaching Natural Sciences	3
	Methods of Teaching Fine Arts, Hand Work, and Athletics.	3
	(One or two courses may be chosen from the above Methods courses.)	
b.	History of Chinese Education	2

c.	History of Western Education	2
d.	Administration and Supervision of Elementary Schools	2-2
	or	
	Secondary School Problems	2-2
e.	Experimental Education	2-2
	or	
	Experimental Psychology	2-2
f.	Educational Statistics	2

Fourth Year:

a.	Philosophy of Education	2
b.	Comparative Education	2
c.	Supervision of Instruction	2-2
d.	Senior Thesis	2
e.	Practice Teaching	2

Majors in Education are required to take 54 additional credits in 2 or 3 other subjects for teaching materials. These credits are distributed as follows:

Chinese		36 or 18
English		36 or 18
History and Sociology:	History	18
	Sociology	18
Philosophy and Fine Arts:	Philosophy	18
and Education:	Education	18 - - 18
	Fine Arts	18
Mathematics and Physics:	Mathematics	36
	Physics	18
Natural Sciences:	Biology	18
	Chemistry	18
	Agriculture	18

Note: This distribution is based on the amount of material required in Middle Schools.

These courses should be chosen in consultation with the Head of the Division of Education.

2. Those who major in Education must have two or three minor subjects for teaching materials. (54 credits)

3. Besides the common course required of all first year students in Arts, and the required courses for second year students in Arts, and the 40 credits in the major course, and the 54 credits in the two or three minor courses (necessary for teaching material), students may elect some courses in either the College of Science or the College of Arts.

4. Majors in Education are granted a first class diploma in Education upon the completion of the required work. Students in the College of Arts or in the College of Science may take a minor course in Education. Upon the completion of the 25 credits required for a minor in Education, a second class diploma will be granted to minor students in Education.

5. Minor Course in Education:

SECOND YEAR:

a.	Introduction to Education	3 credtits
b.	Educational Psychology	3 "
c.	Child Psychology	3 "
d.	General Methods	2-2 "
e.	Class-room Management	2 "

THIRD YEAR:

a.	Methods of Teaching Chinese Language	3
	Methods of Teaching English	3
	Methods of Teaching Mathematics	3
	Methods of Teaching the Social Sciences	3
	Methods of Teaching the Natural Sciences	3
	Methods of Teaching Fine Arts, Hand Work, and Athletics.	3
	(One or two courses may be chosen from the above Methods courses.)	
b.	Comparative Education	2
c.	Practice Teaching	2

FOURTH YEAR:

a.	Administration and Supervision of Elementary Schools. or	2-2
	Secondary School Problems.	2-2

6. Students must finish a total of 152 Credits. A Senior Thesis is required.

PRACTICAL WORK

Aside from academic work, students in Education are required to have some experience in Administrative, Extra-curricular, and Community work. The following is an outline of the requirements:

A. In Administration of Affiliated Schools:

a.	Reports to the Educational Bureau	5
b.	The management of all record for a time	5
c.	Associate Proctor of a class for a month	5
d.	Associate Proctor of the Dormitory for a month.	5
e.	Dean of Studies	5
f.	Acting as Treasurer of the School	5
g.	Dean of Discipline	
	etc.	

B. Extra-Curricular Activities:

a.	Associate in the management of intellectual activities, debates, lectures, school and class papers, etc.	5
b.	Associate in the management of social activities, entertainments, excursions, visits to schools and other institutions, receptions, etc.	5
c.	Associate in the management of athletic and health activities—athletic meets, games, races, physical examinations, etc,	5
d.	Associate in religious and civic activities—Sunday School, Sunday Services, Weekly and Morning Assemblies, and Self-government clubs, etc.	5
e.	Management of Vocational Activities—co-operative movements, agricultural projects, etc.	
	etc.	

C. Work in the Community:

a. Assist in the management of a local Mass Education project 5

b. Help organize or manage some social welfare projects, meetings for parents, etc. 5

c. Help manage some athletic or health project for the community, e.g. vaccinations, free clinics, anti-fly campaign 5

d. Help carry through some religious or moral project-a Boys' or Girls Camp, Girl Guides or Boy Scout work. 5

e. Participate in some co-operative movement, etc.

Distinctly satisfactory work in any of the above activities entitle the students to 5 points. A smaller number of points is gived for less effective work. Students must undertake work in at least two lines under each of three groups, and must get at least six points in each group or a total of 12 points. In addition, reports and conferences with the supervisor will be required periodically.

Students must secure some of these points each term during the last three years.

The number of points earned will be decided by a committee.

VI Practice Schools.

The Faculty of Education is responsible for the Goucher Junior Middle School and in union with the Methodist Episcopal Women's Foreign Missionary Society manages the Dewey Kindergarten and Primary Schools. This allows for observation, practical work, and experimentation by both teachers and students of the Faculty in both secondary and primary school work.

VII List of Courses.

1. Theory:

Education 1. Principles of Education Credits 3
The aim of this course is to present the fundamental principles that underlie modern education, and their application to teaching method, school management, and national problems. Mr. Fang.

Education 2. Introduction to Education Credits 3
A general review of the outstanding educational problems such as teachers, methods, curricula, administration, etc. Mr. Fang

Education 3. Philosophy of Education Credits 2
A discussion of the relations between society and the individual; a study of the significance of the aims of education, curriculum, and teaching methods, with a view to adapting educational practice to the present day situation. Mr. Lo

Education 4. History of Western Education Credits 3
This course will deal with the development of theory and practice of education in Europe and America, with a consideration of the educational systems in those lands.

Education 5. History of Modern Western Education Credits 2
A study of Western Education from the 18th Century to the present. Mr. Fang

Education 6. History of Chinese Education Credits 2
A discussion of the development of public and private education in China.

Education 7. Comparative Education Credits 2
This course will consist of a critical study of modern Education in foreign countries, and the relatiou between the social ideals of nations and their Educational systems.

2. Psychology:

Education 11. Child and Adolescent Psychology Credits 3
This course will involve a study of the instincts and habits, of the emotional and intellectual life of the individual through childhood and adolescence. Emphasis will be given to practical pedagogical problems. Miss Hansing

Education 12. Educational Psychology Credits 3
This course will take up man's equipment of instincts and capacities, the capacity to learn, the psychology of the learning process, factors and conditions of improve-

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ment, individual differences and their causes, and like subjects. Miss Hansing

Education 13-14. Experimental Psychology Credits 2-2
This course aims to give the student a working acquaintance with the technic of psychological experimentation, He will be required to set up experiments, and to observe and record results. Mr. Walmsley

Education 15. Experimental Education Credits 2-2
This course aims to apply the experimental method to the study of practical problems in Education, and to relate the findings of the laboratory to actual conditions.

Education 16. Educational Measurements. Credits 3
A discussion of the history of educational measurements and the method of devising and conducting measurements.

3. Administration:

Education 21-22. Administration and Supervision of Elementary Schools Credits 2-2
This course will deal with the practical problems of Primary Schools, the qualifications of principals and teachers, time-tables and general class management.

Education 23-24. Secondary School Problems Credits 2-2
This course will deal with the principles of secondary school administration, and with the practical problems of Middle School curriculum, the qualifications and duties of principals and teachers, the management of dormitories, extracurricular activities, student organizations, etc. Mr. Liu

Education 25-26. Supervision of Instruction Credits 2-2
A discussion of the organization and principles of supervision. and devices for the improvement of teaching. Mr. Liu

Education 27. Educational Statistics. Credits 3
This course covers the theoretical and practical aspects of statistical methods as applied to the field of Education. Mr. Walmsley

Education 28. School Hygiene Credits 2
This course will deal with problems of students' health and school sanitation. Dr. Crawford

4. Methods:

Education 31-32 General Methods Credits 2-2
This course includes a consideration of the principles of teaching and their application. It will include observation of and practice in teaching. Miss Fosnot

Education 33. The Teaching of Chinese Language. Credits 3
Methods and problems of teaching Chinese in Middle Schools will be taken up; selection and organization of materials will also be included, Observation and practice. Mr. Chiao

Education 34. The Teaching of Mathematics Credits 3
A consideration of the problems peculiar to the teaching of mathematics in Middle Schools; the nature and value of Mathematics with their pedagogic bearings; a critical review of courses and methods of teaching. Mrs. Dye

Education 35. The Teaching of the Social Sciences. Credits 3
A review of the subject matter of history, geography, and political science with the arrangement of materials and method best adapted to Middle School teaching. Mr. Chapman

Education 36. The Teaching of English Credits 3
Methods and problems of teaching English in Middle Schools with special training in the phonetic method. Mr. Moncrieff

Education 37. The Teaching of the Natural Sciences Credits 3
A brief review of the text-books in Physics, Chemistry, and Biology for Middle Schools, and a consideration of the required equipment and of methods of presentation.

Education 38. The Teaching of Fine Arts, Hand Work, and Athletics Credits 3

Education 39. Practice Teaching Credits 2
48 hours of practice teaching under supervision and conferences with the supervisor will be required.

5. Other Elective Courses:

Education 68. Use of Current Literature Credits 2
A discussion of important articles appearing in current Educational magazines.

Education 69. Educational Sociology Credits 3
A study of the relation of the school to the community and to social progress. Methods will be given as to how the school may better co-operate with the parents and function as a social center.

Education 70. Vocational Education Credits 2
A discussion of the principles underlying vocational guidance, and the relation between general and vocational education.

Education 71. Primary School Curriculum Credits 3
This course will deal with the technique of curriculum making along scientific lines, adapting it to the needs of the society in which the school is functioning.
Mr. Fang

Education 72. Secondary School Curriculum Credits 3
This course will take up the principles of secondary school curriculum making, and apply them to the schools of China of the present day. Mr. Liu

Education 73. Educational Legislation and Reports
Credits 2

Education 74. Dramatization and Pageantry Credits 3
This course will include simple class-room dramatization of stories, and more pretentious plays.
Miss Fosnot

Education 75. Training for Directors of Girl Guides and Boy Scouts Credits 2
Mr. Chapman

Education 76-77. Psychology of Religion Credits 2
This course will center its attention on the religious consciousness from the historical and psychological points of view, and will deal with the outstanding phenomena which we witness in individual and group life.

Education 78. Methods in Moral Education Credits 3
This is a course for all students who are interested in investigating present day materials and methods. Some of the methods stressed will be projects, the use of stories for children, and discussion and research for young people. Miss Fosnot

Education 79. Religious Education and Social Life.
Credits 3
This course will discuss the social aims and methods of Religious Education, and the psychological background of a socialized religious educational programme.

III. THE DIVISION OF FINE ARTS

Anderson, Eleanor Waverley	Chairman of Division; Voice, Piano
Agnew, Robert Gordon	Voice
Downer, Sara Boddie	Organ, Piano
Dsang, Margaret	Organ, Piano
*Loh, Lucy	Organ, Piano, Harmony
Moncrieff, Virginia	Piano, History of Music Teacher Training
*Phelps, Margaret	Voice, Piano
Morse, Anna	Painting and Designing
Smalley, Nellie	Violin
Ward, Annie	Piano
Wilford, Claudia	Organ, Piano

*On Furlough

The Division of Fine Arts has as its aims:

1. The enrichment of life through the cultivation of the aesthetic sense.

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2. The preparation of students as teachers of music and art in schools and as leaders of church music.

3. The bringing to students of a knowledge and appreciation of Western art and music in the hope that they will further study and develop their own Chinese Arts.

The Division seeks to attain these aims not only through prescribed courses but also by contributions to the entire student community through student recitals, through an annual Faculty Concert, through an annual Art Exhibit, and through furnishing music and artistic settings for special services, such as Easter and Christmas.

Divisional Regulations

1. Students wishing to study music must take either the Preparatory Course or its equivalent.

2. Entering advanced students must take an examination to show which year they are fit to enter.

3. Any student who fails to comply with the requirements about practice, or whose work is not up to standard may be discontinued at the discretion of the Committee.

4. The courses given in Fine Arts may be elected by students of any faculty. Students not in the College of Arts may not elect more than two music courses in one year.

5. Students wishing to minor in music (20 credits) are required to take 12 credits in theoretical subjects and 8 or more credits in practical subjects.

6. Special students in music must comply with University regulations.

Fees

Special fees are required for all music courses. These fees are to be paid in full at the beginning of each term when the student registers with the Registrar of the Division.

1. Organ and Piano: $6. per year for each course.

2. Violin: $2, per year for each course.
   Violins may be hired from the Department for $5 per year. The cost of strings and repairs will be borne by the student hiring the violin.

3. Voice: $2 per year.

COURSES IN FINE ARTS

1. Music-Instrumental

Music 1-2 Preliminary course for beginners One class per week. Daily practice,		No credit
		Credits
Music 3-4 Organ 1	One lesson per week One period daily practice	1½-1½
Music 5-6 Organ 2	One lesson per week One period daily practice	1½-1½
Music 7-8 Organ 3	One individual lesson per week One period daily practice	2-2
Music 15-16 Piano 1 Piano 1	One lesson per week One period daily practice	1½-1½
Music 17-18 Piano 2	One lesson per week One period daily practice	1½-1½
Music 19-20 Piano 3	One individual lesson per week One period daily practice	2-2
Music 21-22 Piano 4	Advanced work One individual lesson per week One and a half hours daily practice	3-3

Credits

Music 25-26 Violin 1 — 1½-1½
Students must first pass a test
One class per week
Half hour daily practice

Music 27-28 Violin 2 — 2-2
One lesson per week
One period daily practice

2. Music-Vocal

Music 31-32 First year — 1-1
One class weekly
Fifteen minutes daily practice

Music 33-34 Second year — 1½-1½
One lesson weekly
Half hour daily practice

Music 35-36 Third year — 2-2
One lesson weekly (Individual)
Half hour daily practice

3. Music-Choral

Music 41-42 Choral Society — 1-1
Membership is open to men and women who pass the required voice test and have an adequate knowledge of music.
One class weekly
Fifteen minutes daily practice

Note: To those students on whose courses a credit in music is not applicable a certificate will be allowed and issued covering the period of their music studies.

4. Music-Theory

Music 45-46 History of Music — 2-2
A general survey of the growth of Western music including brief biographies of famous musicians
Two hours weekly

(All music students are advised to take this course at some time in their studies.)

Music 49-50 Theory and Elementary Harmony — 1-1
Intervals, Chords, cadences, modulations, etc.
One hour weekly throughout the year.
(This course is required of all music students during either their first or second year.)

Music 51-52 Harmony and Composition — 1-1
One hour weekly throughout the year.

Music 53-54 Ear Training (One term)
Theory of Sound and Study of Instruments)
(One term) — 1-1
One hour weekly.

Music 55-56 Musical Form and Appreciation — 1-1
One hour weekly throughout the year.

Note: The above named classes are all required for a minor in Music. They may be elected by students taking other courses.

A class in Normal Training will be arranged for when there is a demand.

Art

Art 1-2 Freehand Drawing, Composition, Perspective — 1-1
Still life, flowers, landscape
Medium: pencil and watercolour.
Class work four hours a week throughout the year.

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THE DEPARTMENT HISTORY, POLITICAL AND SOCIAL SCIENCES

comprising

I. The Division of History and Political Science

II. The Division of Sociology and Economics

Robertson, Harold Deeks,	Chairman of the Department Head of Division I History
Shen Ssu-chuang	Head of Division II Sociology
Chang Ling-kao	Sociology
Chu Shao-pin	Chinese History
Simkin, Robert	Church History
Smalley, Frank	Political Science
Graham, David C.	Archaeology
Li Ming-liang	Rural Sociology
Liu Li-hsien	History
Chapman, B. B.	Geography
Chiang Wen-kang	Sociology
Yang Yu-tzu	Social Science
Smalley, Nellie	History and Political Science
Lo Yu-tung	Economics
Lung Shou-jung	Social Science
Cheng Hsiao-hsiang	Sociology
Wang Chun-hsien	Sociology
Wu Hsien-yu	History and Sociology

I. The aim of the Division of History and Political Sciences is to enable students to acquire historical insight into the political and cultural movements, both national and world-wide, an insight which is essential to social leadership. It has as a second aim the preparation of students to teach History and Civics in Middle Schools.

II. The aim of the Division of Sociology and Economics is to train students so that they may engage in such practical social work as rural reconstruction, social surveys, co-operative stores, and other forms of public social service.

III. Departmental Regulations

1. Students in this department may take either one of the two divisions as a major and the other division as a minor course, or they may take one of the two divisions as a major course and select a minor course from some other department or division.

2. The following schedule is required of students who will take courses in both divisions of this department. A student may take the courses in both divisions provided the Dean of the College, the Chairman of the Department, and the Heads of the two Divisions deem it advisable for the student to do so.

Course of Study.

Sophomore Year.

1.	Studies common to the second year in Arts		26
2.	Divisional Requirements:		
	History of World Civilization	4	
	Social Survey (Autumn term)	2	
	Statistics	4	
	Elective	4	
		14	14
			40

Junior Year

1.	Urban Sociology (Autumn term)	3
2.	Rural Sociology (Spring term)	3
3.	Co-operative Movements	6
4.	History of the Nineteenth Century or China and International Relations	6
5.	Current Events	2

6.	Political Philosophy or Political Institutions	6	
7.	Philosophy	6	
8.	German or French or another elective	6	
			38

SENIOR YEAR

1.	Applied Sociology	4	
2.	History of Chinese Economic Thought	6	
3.	China and International Relations or History of the Nineteenth Century	6	
4.	Political Institutions or Political Philosophy	6	
5.	German or French or another elective	6	
6.	Supervised Study	2	
			32

I. DIVISION OF HISTORY AND POLITICAL SCIENCE

A. HISTORY;

History 1.	World History of the Last Century (Autumn term) Required: Freshman Year of Arts	Mr. Wu 3 credits
History 2.	History of China during the Last Century	Mr. Wu 3 credits
History 3-4.	General History of China	2-2 credits
History 5-6.	History of World Civilization Required: Second Year in the Department	Mr. Robertson 2-2 credits

History 7-8.	History of Chinese Civilization Required: Second Year of Arts if Chinese Literature has not been elected	Mr. Liu 2-2 credits
History 9-10.	History of China in Sung and Yuan Dynasties	Mr. Chu 4-4 credits
History 11-12.	History of Chin Dynasty	Mr. Chu 3-3 credits
History 13-14.	Supervised Study in Chinese History	Mr. Chu 4-4 credits
History 21-22.	History of England	Mrs. Smalley 3-3 credits
History 23-24.	History of the United States	3-3 credits
History 25-26.	Relations between China and Russia	Mr. Robertson 2-2 credits
History 27-28.	History of Oriental Nations	Mr. Liu 3-3 credits
History 29-30.	Current Events Required: Second Year in this Depart.	Mr. Robertson 1-1 credits
History 31-32.	China and International Relations	Mr. Robertson 3-3 credits
History 33-34.	History of the Nineteenth Century	Mr. Robertson 3-3 credits
History 35-36.	History of Modern Japan	Mr. Liu 2-2 credits
History 37.	Archeology (Autumn term)	Mr. Graham 3 credits
History 41-42.	History of the Development of Christianity	Mr. Simkin 2-2 credits
History 43-44.	History of Christianity in China	Mr. Wang 2-2 credits

B. GEOGRAPHY:

Geography 1-2.	Human Geography (Spring term) Required: Second year in Arts	Mr. Chapman 3 credits

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C. Political Sciences:

Politics 1-2.	Introduction to Political Seience (Fall term) Required: Second year in Arts	Mr. Chiang 3 credits
Politics 3-4.	Political Institutions	Mrs. Smalley 3-3 credits
Politics 5-6.	Political Philosophy	Mr. Smalley 3-3 credits
Politics 7.	Civil Laws (Autumn term)	Mr. Lung 2 credits
Politics 8.	Penal Lews (Spring term)	Mr. Lung 2 credits

II. DIVISION OF SOCIOLGY AND ECONOMICS

A. Sociology:

Sociology 1.	Principles of Sociology (Autumn term) Required: First year of Arts. (3 hours per week for one term)	Mr. Shen 2½ credits
Sociology 3.	Social Survey (Autumn term) Required: Second year in this department.	Mr. Chang 2 credits
Sociology 5.	Urban Sociology (Autumn term)	Mr. Shen 3 credits
Sociology 6.	Rural Sociology (Spring term)	Mr. Li 3 credits
Sociology 7-8.	Applied Sociology	Mr. Shen 2-2 credits
Sociology 9-10.	Sociology of the Border Soceiety	Mr. Chiang 2-2 credits

Sociology 11-12.	Statistics	Mr. Yang 2-2 credits
Sociology 13-14.	Population	Mr. Shen 2-2 credits
Sociology 15-16.	Ideal Society	Mr. Wang 2-2 creditis
Sociology 17-18.	History of Social Thought	Mr. Wu 3-3 credits
Sociology 19.	Anthropology (One term)	Mr. Graham 3 credits

B. Economics:

Economics 1.	Principles of Economics (Spring term) Required: First year in Arts	Mr. Shen 3 credits
Economics 3-4.	History of Chinese Economic Thought	Mr. Shen 3-3 credits
Economics 5-6.	Co-operative Movement	Mr. Shen 3-3 credits
Economics 7-8.	Public Finance	Mr. Lo 2-2 credits
Economics 9-10.	Rural Economics	Mr. Li 2-2 credits
Economics 11-12.	Current Fconomic Problems in China	Mr. Lo 2-2 credits

(unless otherwise indlicated the number of credits is the same as the number of hours per week per term.)

COLLEGE OF RELIGION

Smalley, Frank A.,	Dean New Testament
Brown, Homer G.	Psychology of Religion
Chang, Lincoln	Rural Sociology Comparative Religion
*Dickinson, Frank	Rural Evangelism
Fosnot, Pearl	Christian Ethics
Hsiao Wen-jo	Philosophy of Religion
Lewis, Spencer	New Testatment
*Phelps, Dryden	Biblical Literature
Shen Ssu-chuang	Rural Sociology
Simkin, Robert	Old Testament Church History
Sung, Ch'eng-chih (The Rt, Rev.)	Homiletics
Wang Chun-hsien	History New Testament

*On Leave

The Aims of the College of Religion.

At the moment the primary concern of the College of Religion is the provision of "Character-Building courses which are calculated to help the student to become a law-abiding and peaceful citizen who is able to help Society, and also courses which the leading truths and the history of Christianity. All these courses are "Optional" in accordance with Government wishes.

Until such time as the "Union Theological College" is established and commences its work the College is also prepared to train men for the Christian ministry - and, after the establishment of the new institution this College is prepared to consider the possiblity of University Post-Graduate courses on the tutorial system.

The College aims to serve the Church in Szechwan through its *Extension Work*.

Under this heading are;—

Conferences and Retreats for Church Leaders
Special Summer Courses
Rural Evangelism
The establishment of a Social Service Centre.

Description of Courses.

(Odd numbers indicate fall term courses and even numbers spring term courses, when a course runs throughout the year it has two numbers and the number of credits is divided: e.g. Religion 5-6 two terms—credits 2-2)

NEW TESTAMENT.

Religion 1. *New Testament Times in Palestine* Credits 2.

The political and social changes in Palestine occasioned by Greek thought and Roman control. A background for Christian thought of the 1st Century.

Text: "A Hist. of New Testament Times in Palestine". Shailer Mathews.

Two hours a week, one term. Mr. Wang
(Offered 1937-38)

Religion 3-4 (Engl. 95-96) *English Readings in The New Testament with parallel Readings in Chinese.* Credits 1-1

Text "Mandarin-English New Testament" One hour a week throughout the year.

(Offered 1936-37) Mr. Smalley.

Religion 5-6. *The Life of Christ.* . . . . . Credits 2-2

A general chronological study based on the four Gospels. Two hours a week throughout the year.
Mr. Smalley

Religion 7-8. *The Person and Principles of Jesus.* Credits 2-2
The Person of Jesus, following Forbush (1st term)
The Principles of Jesus, following Speer (2nd term)
Two hours a week throughout the year.
Mr. Song

Religion 9-10 (Social. 15-16) *The Ideal Society.* Credits 2-2
Jesus' idea of the Kingdom of God, and its application to modern problems.
Two hours a week for a year. Mr. Wang
(Offered 1936-37)

Religion 14. *The Acts of the Apostles.* . . . . Credits 2
Studied with special reference to the growth and expansion of the early Church, early Apostolic preaching and missionary methods, and also as a basis for an historical introduction to the Pauline Epistles.
Two hours a week one term Mr. Smalley

Rligion 17-18. *The Epistles of the New Testament.* Credits 2-2
A general introduction to each of the New Testament Epistles and a general study of its contents, with special reference to leading doctrines and exposition of important passages Two hours a week throughout the year
Mr. Smalley

OLD TESTAMENT.

Religion 31-32. *Early Hebrew Literature.* . . Credits 2-2
A study of the History of Israel to the time of the Restoration, with analysis of the Hexateuch to show its sources, its component parts, its leading religious conceptions, and its relation to the history and institutions of Israel.
Two hours a week throughout the year. Mr. Simkin

Religion 41. *History of the Hebrew People.* Credits 2-2
A survey of the main features of the development of the political, social, and religious life of the Hebrew people.
Two hours a week throughout the year. Mr. Simkin

Religion 45-46. *Hebrew Prophetic Leaders.* . Credits 2-2
How the Jewish Religious leaders dealt with the political and social crises of their times. How this may help to solve similar problems today.
Two hours a week for a year. Mr. Simkin
(Offered 1937-38)

CHRISTIAN THEOLOGY AND PHILOSOPHY

Religion 61-62. *The Christian Conception of God:* Credits 2-2
His attributes and relation to the Universe. *Man* and his relation to God showing why religion is necessary for his development.
Two hours a week throughout the year. Mr. Sparling

Religion 63-64. *Christ and His Place in History.* Credits 2-2
An outline of His life, His person, and His teachings
Two hours a week throughout the year. Mr. Sparling

Religion 65-66. *(Philosophy 85-86) Problems of Religion.*
Credits 2-2
An attempt to answer some of the modern Problems connected with Religion, and its Relation to other Knowledge Credits 2-2

Religion 71-72. (Philos. 81-82) *Philosophy of Religion.*
Credits 2-2
A study of the place of religion in the life and thinking of men. Its place in the development of civilization. Textbook Galloway.
Two hours a week throughout the year.
Mr. Hsiao

Religion 73-74. (Philos. 89-90) *The Relation of Science, Philosophy and Religion.* Credits 2-2

Religion 79. *Confucianism, Buddhism and Christianity Compared* Credits 2
Two hours a week one term. Mr. Dsang

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Religion 81-82 (Philos 83-84) *Comparative Study of Religions* Credits 2-2

(Offered 1936-37) Mr. Hsiao

HISTORY

Religion 101-102. (Hist. 41-42). *Historical Department of Christianity* Credits 2-2

The origin and growth of Christianity to the present. Its leaders, influence, and significance in history.

Two hours a week throughout the year. Mr. Simkin.

Religion 103-104. (Offered 1936-37: Philos. 87-88). *History of Christian Thought.* Credits 2-2

The controlling religious conceptions of the Christian Church from its rise to the present. Lectures, Reading, and Class Discussions.

Two hours a week througout the year. Mr. Simkin

Religion 107-108. (Hist. 43-44). *History of Christianity in China.* Credits 2-2

The text used will be K. S. Latourette's, "A History of Christian Missions in China," supplemented by collateral reading in Chinese. The influence of Christianity on modern Chinese culture will be stressed.

Two hours a week throughout the year. Mr. Wang

Religion 109-110. *History of Chinese Religious Experience.* Credits 1-1

One hour a week throughout the year. Mr. Phelps.

EDUCATION (*Character Education*).

Religion 115-116 (Philos. 29-30) *Character-Building Course. The Use of Life (in English)* Credits 1-1

Text "The Use of Life" Lord Avebury. Outlines will be available,

One hour a week for one year. Mr. Song

(Offered 1936-37)

Religion 117. (Ed. 51). *Methods in Moral Education.* Credits 3.

This is a course for all students interested in investigating present day materials and methods. Some of the methods stressed will be projects, the use of stories for children, and discussion and research for young people.

Alternate years. Miss Fosnot

Religion 119. (Ed. 53). *Psychology and the Development of Character.* Credits 2

This course will deal with tendencies which prevent the development of a wholesome, forward-looking Character, and with the general problem of helping people to their best sort of functioning in relation to society and to God.

Religion 121-122. (Ed. 55-56). *Young People's Work.* Credits 2-2

This course will consider the problems connected with the adjustment of young people to society in its various phases. The work of the church, the school and other organizations in relation to young folk will be studied.

Alternate years. Miss Fosnot

Religion 125. (Ed. 60). *Psychology of Religion.* Credits 2

This course will centre its attention on the religious consciousness from the historical and psychological points of view, and will deal with the outstanding phenomena of religion which we witness in individual and in group life. Textbook: "The Religious Consciousness," Pratt.

Alternate years. Mr. Brown

(Choice of these courses depends upon the student's standing in English, as upon other considerations)

ETHICS, SOCIAL, ETC.

Religion 151-152. *Christian Ethics.* Credits 2

The Christian Ideal in its relation to the individual and its application to society.

Two hours a week throughout the year. Miss Fosnot

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Religion 153-154. *Religion and Life.* Credits 1-1
One hour a week throughout year. Mr. Song

Religion 155. *New Methods of Bible study.* Mr. Phelps

Religion 157-158. *The Devotional Study of the Bible.*
Credits 2

An endeavour to lead the candidates for the Christian ministry into an understanding of the supreme value of the Holy Scriptures as a source of personal spiritual power by developing the habit of systematic devotional Bible study.

Two hours a week one term. Mr. Song

Religion 161. Credits 1.
Worship. Mr. Phelps

Religion 171-172 (Eng. 97-98) *The English Bible as Literature.* Credits 2-2

(Elective 2nd and 3rd year English Students and other Departments)

Two hours a week for one year Mr. Phelps

Beligion 177-178. *New Testament Greek.* Credits 1-1

This course will be offered when there are a number of advanced students who are likely to derive benefit from it.

Religion 181-182 *Rural Sociology* Mr. Dzang

Religion 183-184 (Social. 7-8) *Christianity and Social Reconstruction* Credits 2-2

Two hours a week for one year. Mr. Shen (Offered 1936-37)

POST-GRADUATE COURSES.

Courses of lectures will be given or Seminars held in the following subjects for students who are graduates of the university and wish to take further study in Religion.

The Philosophy of Religion

The Psychology of Religion.

The Rational Basis of Theism and Christianity.

The Social Application of Christianity.

The Protestant Revolution.

Hebrew Literature.

The History of the Hebrew People.

The Interpretation of the New Testament in Chinese Thought.

The Church and Rural Life.

The Life of Christ.

The Contents and Application of the New Testament.

New Testament Greek.

Readings in Religion.

Ethics.

Contemporary Religious Ideas and Movements.

Most of these courses and the reading necessary will be done in the English language. Other courses may be offered to meet particular needs of individual students.

Courses in the College Curriculum which are Offered in the Arts Course of the University.

DEPARTMENT.

ENGLISH.

95-96	English Readings in the New Testament.	R3-4
97-98	The English Bible as Literature	R171-172

PHILOSOPHY.

23-24	Christian Ethics.	R151-152
29-30	Character Building	R115-116
87-88	History of Christian Thought.	R103-104
81-82	Philosophy of Religion	R71-72
89-90	The Relation of Science, Philosophy and Religion.	R73-72
83-84	The Comparative Study of Religions.	R81-82
85-86	Problems of Religion.	R65-66

HISTORY.

41-42	The Historical Development of Christianity.	R101-102
43-44	The History of Christianity in China.	R107-108

SOCIOLOGY.

7-8	Christianity and Social Reconstruction	R183-184
15-16	The ideal Society	R9-10

EDUCATION.

51	Methods in Moral Education.	R117
53	Psychology and Development of Character.	R119
55-56	Young People's Work	R121-122
59	Psychology of Religion.	R125

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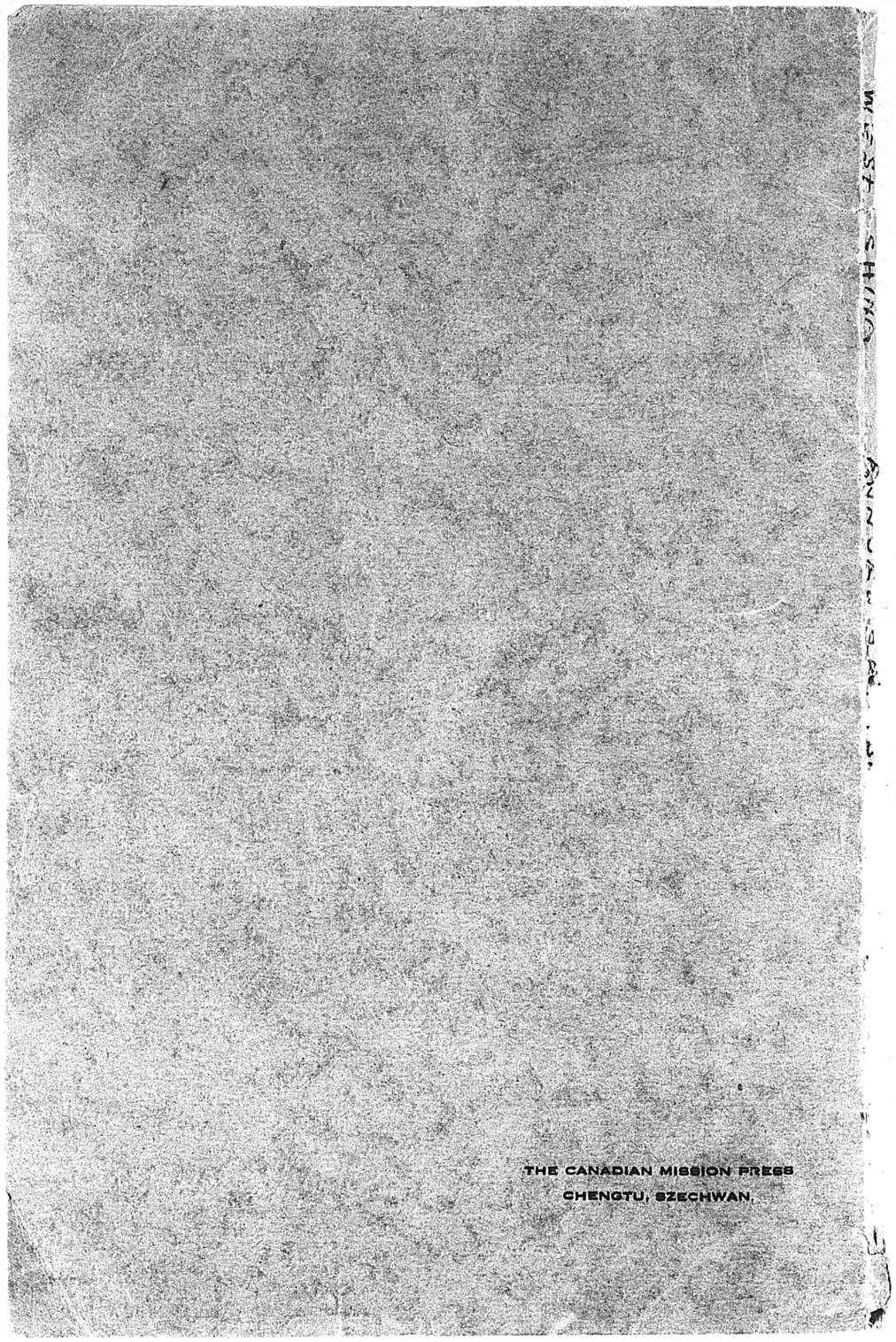
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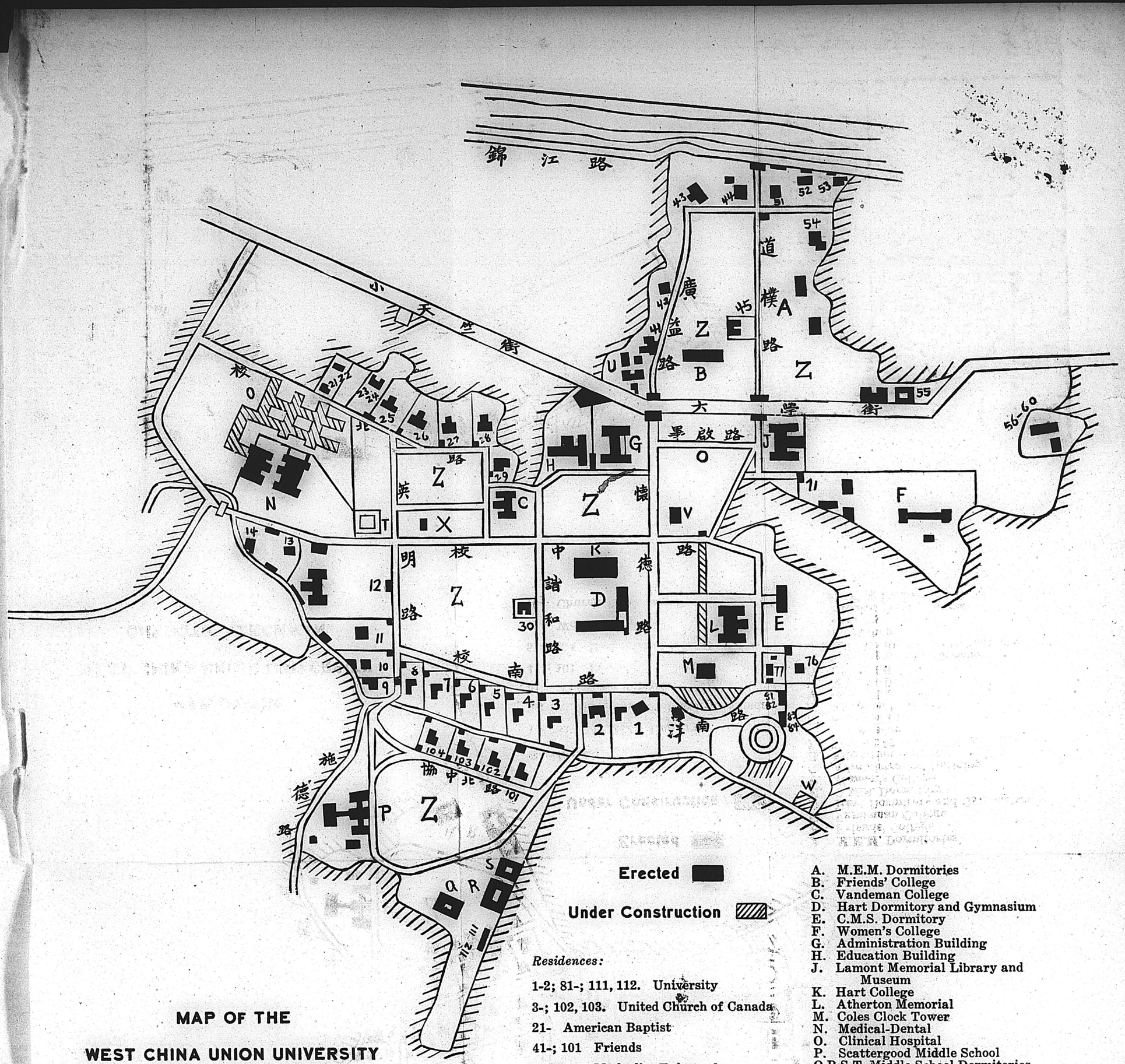

MAP OF THE

WEST CHINA UNION UNIVERSITY

CHENGTU, SZECHWAN

Erected ■

Under Construction ▨

Residences:

1-2; 81-; 111, 112. University
3-; 102, 103. United Church of Canada
21- American Baptist
41-; 101 Friends
51-; 104 Methodist Episcopal
71- Women's College
76- Church Missionary Society

A. M.E.M. Dormitories
B. Friends' College
C. Vandeman College
D. Hart Dormitory and Gymnasium
E. C.M.S. Dormitory
F. Women's College
G. Administration Building
H. Education Building
J. Lamont Memorial Library and Museum
K. Hart College
L. Atherton Memorial
M. Coles Clock Tower
N. Medical-Dental
O. Clinical Hospital
P. Scattergood Middle School
Q.R.S.T. Middle School Dormitories
V. Workshops
W. Tannery
X. Faculty Tennis Courts
Z. Playing Fields

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4401
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WEST CHINA UNION UNIVERSITY

FOUNDED 1910

Accorded Registration by the Szechwan Provincial Government Bureau of Education, 1927; and Registration with the National Government, Nanking, in 1933.

Granted Absolute Charter by Regents of the University of the State of New York, October 18th, 1934

Published by
THE WEST CHINA UNION UNIVERSITY
CHENGTU, WEST CHINA
SEPTEMBER, 1937.

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HISTORICAL STATEMENT

The West China Union University was established in 1910 by the united action of the American Baptist Foreign Mission Society; the Friends' Foreign Mission Association, now the Friends' Service Council, Great Britain and Ireland; the General Board of Foreign Missions of the Methodist Church of Canada, now the Board of Foreign Missions of the United Church of Canada; and the Board of Foreign Missions of the Methodist Episcopal Church, U.S.A. The Church Missionary Society of England was admitted to participation in the University in 1918. The Women's Foreign Missionary Society Boards of the American Baptist Church, the Methodist Episcopal Church, U.S.A., and the United Church of Canada were admitted to participation in 1925.

The aim of the founders, as stated in the constitution, is, "The extension of the Kingdom of God in West China by means of higher education under Christian auspices."

The University is situated in the south suburb of Chengtu, the capital of the province of Szechwan. As an educational centre its strategic location is readily recognized, as it is not only in the center of the most populous and most extensive province of the Republic, but is also well placed to extend its service to all West China, Tibet, and the many border tribes.

Part of the present campus was purchased by the co-operating Missions by the year 1908, but classes were not opened until March, 1910. Because of Revolutionary disturbances, the University was forced to close in the Autumn of 1910. It was re-opened in 1913 with three Faculties—the Faculty of Arts, the Faculty of Science, and the Faculty of Medicine.

During the succeeding decade there was a steady and normal growth in the number of students and in the diversity of subjects taught. By 1922 the Faculty of Education, the Faculty of Religion, and the Faculty of Dentistry were added.

Women students were admitted to the University in the autumn of 1924, and in 1925 three representatives of the Women's Boards were admitted to membership of the Board of Founders.

The university made application for Government registration in 1927 and was accorded provisional recognition by the Provincial Bureau of Education in November of that year. Full registration was granted by the National Government in the autumn of 1933 and the University now operates as part of the national system of education, with three Colleges: Arts, Science, Medicine and Dentistry.

ORGANIZATION.

The University is carried on under the control of the Board of Founders, the Board of Directors, General Faculty, and Cabinet.

The Board of Governors, the members of which are resident in England, the United States, and Canada, consists of three representatives elected by each of the uniting bodies, together with two-thirds that number of co-opted members elected by the Board.

The Board of Directors is composed of fifteen members resident in China, the majority of whom are Chinese. The Board of Directors elects the President who is an ex-officio member of the Board, without vote. To him is delegated authority for administration.

The Board of Founders has entered into an agreement with the Board of Directors whereby the payment of an annual sum is assured to the Board of Directors for the work of the University.

The General Faculty of the University consists of the chief administrative officers; representatives of the professors and associate professors; and co-opted members.

BUILDINGS AND GROUNDS.

According to the original article of union each mission founding a college purchased property and erected buildings for the housing of its staff and students, and contributed a college building for teaching purposes. The Board of Founders purchased property for the teaching buildings and general campus and erected administrative and teaching buildings and residences for those members of the staff who are provided by the Board of Founders. This policy has thus far resulted in the erection of twenty-nine foreign residences and eight Chinese-style residences, ninteen permanent college and dormitory buildings and the Clock Tower, also three groups of Chinese-style dormitories and other buildings. Athletic fields and a number of tennis courts are also provided.

(1) UNIVERSITY BUILDINGS:—

The Whiting Memorial Administration Building.

This building was completed in 1919 as a memorial to Robert Morris Whiting through the generosity of Mr. and Mrs. Joseph B. Morrell, Northport, Long Island, New York, U.S.A. The building is of grey brick with grey tile roof, finished in accordance with the best traditions of Chinese architecture adapted to modern school conditions. It is two storeys high, 175 ft. long, 93 ft. wide. The administrative offices, assembly hall, faculty common room, students' club room, several class rooms and the photographic studio are located in this building.

The Atherton Building for Biology and Preventive Medicine

This building completed in April 1924, is the gift of the Atherton family of Honolulu, H.I., in memory of Dr. Alexander Atherton. It is 192 ft. long and 94 ft. at extreme width, with two full storeys and basement. The Departments of Biochemistry, Biology and Chemistry, and the University Dispensary are housed in this building.

The Lamont Library and the Museum Building

This building, completed in 1926, is of the same general type of architecture as the Administration Building and stands opposite to it. It is an attractive and commodious structure, the gift of Mr. and Mrs. B. C. Lamont of Aberdeen, South Dakota, U.S.A., in memory of their son.

The Scattergood Memorial Middle School Building

This building, providing teaching accommodation for three hundred middle school students, was given by Mrs. Thomas Scattergood of Philadelphia, U.S.A., as a memorial to her husband and an expression of international good-will. The building is of the same material as the university buildings. It is two storeys high, 190 ft. long by 48 ft. wide.

The Middle School Chapel

The chapel, erected in 1927 with funds contributed by Mr. Liu Dsi Ru, of Chungking, West China, is similar in style to the Middle School building. It is 82ft. long by 60 ft. wide and provides seating accommodation for four hundred students on the main floor.

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The Cadbury School of Education Building.

Through the beneficence of Mr. George Cadbury, Bourneville, England, the University has erected the main section and one wing of its Education Building. When completed the building will be 180 feet long, two storeys high. It is of the same type of architecture as the other buildings.

The Coles Memorial Clock Tower erected in 1925-6 is the gift of J. Ackerman Coles, LL.D., New York. The tower is built of brick with a superstructure of wood and is slightly over one hundred feet high.

The Medical-Dental College Building when completed will be the largest building on the campus. At present the two end wings only have been built. Each is 152 feet long and 40 feet wide, and consists of two storeys and basement. The east wing houses the departments of Anatomy, Physiology and Pharmacy. The west wing houses the departments of Pathology, Bacteriology, Dental Laboratory Technology, Dental Surgical Technology and the University Dental clinic.

The Dewey and Goucher Schools, established by Dr. John F. Goucher, became the practice schools of the Faculty of Education and the Normal School in 1919.

The Goucher Practice School, a three year junior middle school with 120 selected students, is conducted in a fine new brick building of two storeys, 170' x 50', erected with a gift of $20,000. local currency from Mrs. Elizabeth Goucher Chapman in memory of her father, the founder of the school.

The Post office Building is a one storey brick structure on the University property fronting on the main street, that provides for post office, police headquarters and bank.

(2) Co-operating Mission Hospitals:

The United Church of Canada Mission Hospital for Men is located in the N. E. section of the city at some distance from the University. It has 150 beds, and is well equipped with operating rooms, clinical laboratory, X-ray department, pharmacy, etc. A special tubercular and venereal out-patient department is also carried on. Instruction in Medicine, Surgery, X-ray and clinical laboratory work is given in the hospital. Almost all the doctors on the staff are members of the Medical Faculty of the University. In connection with the Hospital a dormitory is maintained for senior medical students, and those of the third, fourth and interne years are in residence.

The United Church of Canada Mission Dental Hospital is well equipped and carries on a polyclinic. The head of each department is a professor in the University. Students may receive clinical instruction in any clinic which presents suitable teaching material.

The United Church of Canada Hospital for Women and Children has a capacity of 120 beds, and is well equipped for its special work in women's and children's diseases. X-ray and special laboratory work is done in the Men's Hospital, and routine laboratory work at the Women's Hospital. A large outpatient department where men, women and children are seen is run on a union basis with the Men's Hospital. The number of women doctors on the staff has increased in the last few years, and a few of the doctors on the staff of the Men's Hospital are also on the Women's Hospital staff. The women students in the clinical years of Medicine and the women internes reside in a dormitory on the hospital grounds. Pediatrics, Obstetrics, Gynecology, Clinical Medicine and Surgery are taught in this hospital.

The *Chengtu Eye, Ear, Nose and Throat Hospital of the Methodist Episcopal Mission* is located on Shen Si Kai about halfway between the other hospitals and the University campus. It is an 80 bed hospital devoted entirely to eye, ear, nose and throat. It was founded and is maintained by the Methodist Episcopal Church. Originally instituted as a general hospital in 1894, it has served as an eye, ear, nose and throat hospital since January 1, 1929. The outpatient clinics are very large, the total outpatient attendance for 1936 being over 70,000. The inpatient services care for 1100 inpatients a year. The undergraduate and graduate teaching and clinical activities of the Departments of Ophthalmology and Otolaryngology are carried on here. The departmental members on the staff of this hospital are members of the teaching staff of the Medical Faculty.

(3) College Buildings, Dormitories and Residences:—

The Joyce Memorial Dormitory and the Ackerman Memorial Dormitory were erected in 1914 by the Methodist Episcopal Church. The former was made possible by the gift of the Joyce family of Minneapolis, U.S.A., and the latter by gifts from J. Ackerman Coles, LL.D., New York. *The Joyce Memorial* is a two-storey building, 120 ft. long by 55 ft. wide; the Ackerman Memorial is a three-storey building, 120 ft. long by 30 ft. wide. These and all the other permanent

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college buildings are of the same material and conform to the prevailing Oriental-Western type of architecture of the University.

The Bishop Bashford Memorial was made possible by donors of the Detroit Area of the Methodist Episcopal Church. It was ready for occupancy in the autumn of 1933. It is of grey brick construction two storeys high and provides accommodation for 100 students.

The Vandeman Memorial Hall and the Baptist Middle School Dormitory were erected in 1919-1920 by the Baptist Mission. Vandeman Hall was erected by a gift from the Vandeman family of Indianapolis, Indiana, U.S.A., and is used as a combined teaching building and dormitory. It provides teaching quarters for the Department of English and dormitory accommodation for 50 students. The Vandeman Memorial is three storeys high with basement, 122 ft. long and 53 ft. wide. *The Baptist Dormitory* is a quadrangle, one and a half storeys high: two sections are 200 ft. long by 18 ft. wide, and two sections are 120 ft. long by 18 ft. wide. It accommodates 80 students.

The Hart College, named in honor of Dr. Virgil C. Hart, pioneer missionary of the Canadian Methodist Mission in West China, and Jairus Hart, Esq., of Halifax, the donor, was completed in 1920 by the Canadian Methodist Mission (United Church of Canada), and has been set apart largely for university work; the theological, physics and mathematics departments occupy this building. It is a two storey structure, with basement, 160 ft. long by 60 ft. wide.

The United Church of Canada College Dormitory and Dining Hall, Gymnasium. The former was erected in 1914; it is 2 storeys, 108 ft. long by 40 ft. wide. The Dining Hall-Gymnasium was completed in 1922; it is two storeys high, 190 ft. long and 40 ft. wide. These dormitories provide living accommodation for about one hundred students.

The United Church of Canada Middle School Dormitory, located on the Middle School site, completed in 1924, is a two-storey brick building, quadrangle style, accommodating one hundred students.

The Friends' College Building.

The building, a gift from the Arthington Estate, London, was completed in 1925. It is two full storeys with basement, of brick and tile construction, built in conformity with the prevailing type of university architecture. It is intended for

teaching and hostel purposes. The Department of Chinese occupies the lower floor of this building. The second and third storeys are occupied by students.

The Church Missionary Society College and Middle School Dormitories.

The College dormitory stands opposite to the United Church of Canada dormitory and matches it in style of architecture and size. The Middle School dormitory is located on the Middle School campus. Both dormitories are of grey brick construction and accommodate about 100 students.

The Woman's College erected three semi-permanent buildings during the years 1924-27. They provide residential quarters for 50 students and teachers. The first permanent building was completed in the autumn of 1932. It is of brick construction built in harmony with the Library architecture and stands near to it. It will accommodate 70 students and teachers.

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The Woman's Foreign Missionary Society of the Methodist Episcopal Church:

Mrs. Frank E. Baker.

The Woman's Missionary Society of the American Baptist Church:

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Chancellor of the University:

Joseph Beech, B.A., D.D.

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Mrs. C. R. Carscallen.
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Chancellor	*Joseph Beech
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Superintendent of Buildings	*W. Small
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Representatives	Wesley Shen, Mrs. Anderson
College of Science, Dean	D. S. Dye
Heads of Depts.	H. L. Chang, M. C. Chang, Miss Downer, R. Spooner
Representatives	Li Hsin-lung, W. G. Sewell

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Dean of Dentistry	A. W. Lindsay
Representatives	R. G. Agnew, H. G. Anderson, A. E. Best, Feng Ta-ran, H. J. Mullett. R. A. Peterson, T. H. Williams
Representatives elected by General Faculty	Cheng Te-k'un, Kao Yu-ling, Liu Li-hsien, Lo Kwang-pi

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Library :

F. A. Smalley, H. G. Anderson, Den Gwang-lu, Miss Downer, Mrs. Lindsay, Liu Li-hsien, the Librarians.

Harvard-Yenching :

D. C. Graham, T. K. Ch'eng F. F. Du, D. S. Dye, S. C. Yang.

Museums :

D. C. Graham, M. C. Chang, T. K. Ch'eng, T. H. Williams.

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S. D. Hwa, H. L. Chang, Y. W. Cheo, F. F. Du, Miss Fosnot, J. E. Moncrieff, S. H. Fong (ex officio)

Scholarships:

S. H. Fong, D. S. Dye, S. D. Hwa, L. G. Kilborn, B. C. T'ang.

Hodgkin Memorial Fund:

W. G. Sewell, Miss Foster, Dr. Kennard, S. C. Yang.

Employment Bureau:

B. C. T'ang, S. D. Hwa, R. C. Spooner.

Extension Work:

Li Min-liang, W. Crawford, F. Dickinson, Kao Yu-ling, Wesley Shen.

University Functions:

The Cabinet and Coopted Members.

University Decorations:

Miss Streeter, Mrs. Campbell, Mrs. Y. L. Kao.

Faculty Teas:

Mrs. Mullett, Mrs. Smalley, Mrs. T'ang, Mrs. Wu Kuo-chang.

Photo Studio:

W. B. Albertson, H. G. Chin, D. S. Dye, R. A. Peterson.

Missionary Training School:

J. E. Moncrieff, L. G. Kilborn, S. Lewis.

ERRATA.

Full-time:

Fu Bao-cheng. Chinese name should read 傅琛葆

Gin Shang-yah. Chinese name should read 金尙約

Pen Chie-ren should be ranked as Instructor, Ophthalmology and Otolaryngology.

Teng Chih-chiang should be ranked as Senior Instructor, Ophthalmology and Otolaryngology.

Part-time:

Graham, David Crockett. Add F.R.G.S.

Kung Tuan-chang studied at Nanking, and should be ranked as Assistant, Biology.

Lo Ch'i-yuin should read Lo Ch'i-jung. Degrees B.A., M.A., Stanford.

Wang Cheng-kuan studied at University of Nanking.

Graham, Alicia Morey, 葛維漢夫人 B.A., University of Rochester.

ADDITIONS

Full-time:

Go Chuin-ngai, 郭俊岩 Drill Instructor.

Lü Yung-cheng, 呂勇貞 M.D., West China. Assistant, Pathology.

Shiang Yu-ren, 向悅仁 Drill Instructor.

Part-time:

Chen Chih-yü 陳紫輿 Lecturer, Party Principles.

Djang Shih-wen, 張世文 Lecturer, Chinese.

Djang Yü-tien, 張玉銗 B.S., West China. Assistant, Chemistry.

Fung Chi-chin, 馮杞靖 Inspector of Cooperative Societies in Rural Areas. Lecturer, Agricultural Economics.

Hsü Den-chang, 徐敦璋 M.A., Ph.D., Wisconsin. Lecturer, Political Science.

Ih Min-hwei, 易明暉 Technician, Reconstruction Bureau. Lecturer, Meteorology.

Li Bei-i, 李伯奕 Lecturer, Chinese, Japanese.

Li Hung, 李鴻 B.S. (P) West China. Assistant, Pharmacy.

Pan Chang-ho, 潘長河 Lecturer, Chinese.
Pin Fu-tsen, 平福增 from Veterinary Hospital. Lecturer, Animal Husbandry.
Ren Dzi-li, 任子立 Y.M.C.A. secretary. Lecturer, Bee Culture.
Shiang Djong-lu, 向宗魯 Lecturer, Chinese.
T'ang Ni-bei, 唐毅伯 Lecturer, Chinese.
T'ao Liang-sen, 陶亮生 Lecturer, Chinese.
Wang Hsien-kwei, 王賢貴 Assistant, English.
Ward, Imogene 黃友貞 A.B., Wellesley. Lecturer, English.
Yang Lin-wei 楊令威 Lecturer, Dyeing.

FACULTY OF THE UNIVERSITY

Emeritus Professors

Lewis, Spencer, 鹿依士 M.A., D.D. Professor Emeritus of New Testament.
*Kilborn, Retta Gifford, 啓希賢 M.D., C.M., Trinity (Toronto). Emeritus Professor of Pediatrics.

Full-time Faculty

Agnew, Robert Gordon, 劉延齡 B.A., M.Sc. (Dent.), D.D.S., Toronto, L.D.S., Royal College of Dental Surgeons, F.I.C.D. Professor, Pathology.
Anderson, Eleanor Waverly, 安得勝夫人 Dip. Music, Melbourne University. Senior Instructor, Fine Arts.
Anderson, Harold G., 安得勝 M.D., B.S., M.R.C.P., London. Associate Professor, Internal Medicine.
Beh Yin-tsai, 白英才 B.S., M.D., West China. Instructor, Anatomy.
Best, Albert Edward, 楊濟靈 B.A., M.D., Toronto. Professor, Internal Medicine.
Campbell, Walter Gordon, 甘如醴 D.D.S., Minnesota. Senior Instructor, Odontology.
Chang Chuin-hsien, 張瓊仙 D.D.S., West China. Assistant, Clinical Dentistry.
Chang Hsiao-li, 張孝禮 B.S., West China, M.A., Toronto. Associate Professor, Mathematics.
Chang Min-chuin, 張明俊 B.A., West China, M.Sc., Yenching, Professor, Biology.
Ch'en Chia-i, 陳家驥 M.A., Yenching. Senior Instructor, Chinese.
Chen Gweh-hwa, 程貴華 D.D.S., West China. Assistant, Oral Histology and Clinical Dentistry.
Cheng Te-k'un, 鄭德坤 M.A., Yenching. Associate Professor, Chinese.
Cheo Hai-fan, 鄒海帆 D.D.S., West China. Assistant, Oral Pathology and Clinical Dentistry.

Cheo Yuin-wen, 周允文 B.S., West China. Senior Instructor, Physics.

Chow Hsü-te, 周緒德 M.D., West China. Instructor, Pathology.

Chu Shao-pin 朱少濱 Professor, Chinese.

Chung Chih-chu, 鍾稚琚 Tokyo Normal School. Professor, Chinese.

*Collier, H. Bruce, 柯理爾 M.A., Ph.D., Toronto. Associate Professor, Biochemistry.

Crawford, Wallace, 高文明 M.D., C.M., D.P.H., Western Ontario. Professor, Hygiene and Public Health.

*Cunningham, Edison Rainey, 韓培林 B.A., M.D., C.M., Manitoba, D.O.M.S., London. Professor, Ophthalmology.

*Cunningham, Gladys Story, 韓芳清 B.A., McGill, M.D., Manitoba. Associate Professor, Obstetrics and Gynecology.

Dickinson, Frank, 丁克生 B.A., Mount Allison, M.Sc., Cornell. Professor, Rural Sociology.

Djang Su-lin, 張書林 D.D.S., West China. Assistant, Odontal Surgery and Clinical Dentistry.

Downer, Sara Boddie, 德樂爾 B.A., Mount Holyoke, M.A., California. Associate Professor, Physics.

Du Feng-fu, 杜奉符 B.A., West China, M.A., Yenching. Associate Professor, Chinese.

**Du Shuen-deh, 杜順德 M.D., West China. Associate Professor, Parasitology.

Dwan Yü-chin, 段玉清 M.D., West China. Assistant, Anatomy.

Dye, Daniel Sheets, 戴謙和 B.S., M.A., Cornell. Professor, Physics, Dean of Science.

Dye, Jane Balderston, 戴謙和夫人 M.A., Columbia. Associate Professor, Mathematics.

Feng Da-ran, 馮大然 B.S., West China. Associate Professor, Pharmacology.

Fong Su-hsüan, 方叔軒 B.A., West China. Professor, Education.

Fosnot, Pearl, 胡正德 B.A., Nebraska, M.A., Boston. Associate Professor, Philosophy.

Foster, B. Louise, 方瑞芝 B.A., Queens. Senior Instructor, English.

Fu Bao Cheng. Education.

Gin Shan-yah, 金尚雅 M.D., Shanghai Woman's Christian Medical College. Instructor, Pediatrics.

**Ho Wen-chuin, 何文俊 B.S., West China, M.A., Yenching. Associate Professor, Biology.

Hsia Yao-shan, 夏耀珊 D.D.S., West China. Assistant, Odontal Surgery and Clinical Dentistry.

Hsiao Ni-chü, 蕭義菊 B.S., West China. Instructor, Chemistry.

Hsieh Chen-ko, 謝成科 B.S. (P), West China. Instructor, Pharmacy.

Hsieh Hsi-hsu, 謝錫璿 M.D., West China. Senior Instructor, Surgery and Roentgenology.

Hsiung Bi-shwang, 熊璧雙 B.S., M.D., West China. Instructor, Obstetrics and Gynecology.

Hsü Yung-kwang, 徐容光 B.Sc., Yenching, Instructor, Tanning.

Kao Yü-ling, 高毓靈 B.S., West China, M.Sc., Yenching. Associate Professor, Chemistry.

Kennard, J. Spencer, 解 難 B.A., Harvard; S.T.B., Princeton; M.A., Ph.D., Yale; Litt.D., Paris; D. Theol., Strasbourg. Associate Professor, Foreign Languages.

Kilborn, Leslie Gifford, 啓眞道 M.A., M.D., Ph.D., Toronto. Professor, Physiology and Pharmacology, Dean of Medicine.

Lan Tien-ho, 藍天鶴 B.Sc., Yenching. Senior Instructor, Biochemistry.

Lechler, John Howard, 路景榮 M.D., M.R.C.S., F.R.C.P., Edinburgh. Visiting Professor, Surgery.

*Lenox, John E., 冷樂施 B.S., Bucknell, M.D., Pennsylvania. Senior Instructor, Internal Medicine.

Li Min-liang, 李明良 B.A., West China, B.Sc., Nanking. Senior Instructor, Biology.

Li Shin-lung, 李興隆 B.S. (P), West China. Instructor, Pharmacy.

Liao Wen-yü, 廖韞玉 D.D.S., West China. Assistant, Prosthodontology and Clinical Dentistry.

*Liljestrand, Sven Herman, 李哲士 Ph.B., M.D., Syracuse. Professor, Obstetrics and Gynecology.

Lindsay, Ashley Woodward, 林 則 D.D.S., M.Sc. (Dent), Toronto; L.D.S., Royal College of Dental Surgeons; F.A.C.D. Professor, Oral Surgery, Dean of Dentistry.

**Liu Chih-chieh, 劉之介 B.A., West China, M.A., Chicago. Professor, Education.

Liu Li-hsien, 劉蓼仙 B.A., West China. Associate Professor, Chinese, History.

**Lo Dsung-su, 羅忠恕 B.A., West China, M.A., Yenching Associate Professor, Philosophy.

Lo Gwang-bi, 羅光璧 M.D., West China, Associate Professor, Internal Medicine.

Lousley, Helen M. 劉思蘭 M.D., Manitoba. Instructor, Internal Medicine.

Meng Szu-ming, 蒙思明 B.A., West China. Instructor, History.

*Meuser, Edwin N., 米玉士 Phm.B., Toronto, Pharm.D., Pennsylvania. Professor, Pharmacy.

Millar, Jean Ewald, 羅樹仁 M.D., Western Ontario. Senior Instructor, Pediatrics.

Moncrieff, Jesse Edwin, 孟克明 B.Sc., Shurtleff, M.A., University of Illinois. Professor, English.

*Morse, William Reginald, 莫爾思 B.A., Acadia; M.D., C.M., McGill; LL.D., Acadia; F.A.C.S. Professor, Anatomy and Associate in Surgery.

Mullett, Harrison J., 吉士道 D.D.S., B.S., (Dent), Toronto; L.D.S., Royal College of Dental Surgeons; F.A.C.D. Professor, Prosthodontology.

P'ang Shih-chou, 龐石帚 Professor, Chinese.

Parfit, Jessie, 全潔民 M.D., B.S., London. Senior Instructor, Hygiene & Public Health.

Parfit, Norman, 全樂民 M.A., B.M., B.Ch., Oxford; D.T.M., Calcutta; D.P.H., London. Senior Instructor, Hygiene & Public Health.

Pen Chie-ren, 彭吉人 M.D., Diploma in Ophthalmology and Otolaryngology, West China. Assistant, Ophthalmology and Otolaryngology.

Pen Dze-fu, 彭子富 B.S., West China. Instructor, Physiology.

Pen Ta-shih, 彭達詩 B.S., West China. Instructor, Biology.

**Pen Yuin-hwa, 彭榮華 B.S., West China. Instructor, Biology.

Peterson, Robert A., 畢德生 M.S., M.D., Iowa. Professor, Otolaryngology.

Phelps, Dryden Linsley, 費爾樸 B.D., Ph.D., Yale. Professor, English.

*Robertson, Harold Deeks, 羅成錦 B.A., Toronto. Professor, History.

Sewell, William Gawan, 徐維理 M.Sc., Leeds. Professor, Chemistry.

Shen Ssu-chuang, 沈嗣莊 M.A., B.D., Northwestern. Professor, Sociology.

Smalley, Frank, 司馬烈 M.A., B.Litt., Oxford. Associate Professor, Political Science, Dean of Arts.

Spooner, Roy C., 陳普儀 M.A., Toronto. Associate Professor, Chemistry.

Streeter, Mary Elizabeth, 司美蘭 B.A., Syracuse. Senior Instructor, English.

Teng Chih-chiang, 鄧自強 M.D., Shanghai National Medical College. Instructor, Ophthalmology.

Tsao Djong-liang, 曹鍾樑 M.D., West China. Instructor, Internal Medicine.

Wang T'i-ren, 王廸人 B.S., West China. Instructor, Physics.

*Ward, Annie, 汪德光 B.A., Toronto. Lecturer, Fine Arts.

**Whang Tien-chi, 黃天啓 D.D.S., West China. D.D.S., Toronto. Professor, Odontal Surgery.

*Wilford, Edward Corry, 胡祖遺 M.D., Toronto; L.R.C.P. & S., Edinburgh; F.A.C.S. Professor, Surgery.

Williams, Thomas Henry, 韋林士 M.D., C.M., Manitoba; D.T.M. & H., London. Professor, Pathology.

Wu Kuo-chang, 吳國章 B.S., West China. M.Sc., Yenching. Associate Professor, Physics & Mathematics.

Yang Chih-kao, 楊枝高 M.D., West China. Instructor, Surgery.

Yang Gia-liang, 楊嘉良 B.S., M.D., West China. Instructor, Surgery.

**Yen Yin, 顏闓 M.D., West China. Instructor, Anatomy.

Yoh, Helen, 樂以成 M.D., West China. Instructor, Obstetrics & Gynecology.

Yü Deh-min, 余德明 D.D.S., West China. Assistant, Clinical Dentistry.

Part-time Faculty.

Agnew, Mary Caldwell, 劉齡延夫人 M.A., Toronto. Lecturer, Biochemistry.

Albertson, Wilford Beaton, 曾思孔 B.A., Toronto, B.D., Union Theological Seminary. Bursar; Lecturer, Oral Technical Drawing.

Best, Gertrude Chamberlain, 楊濟靈夫人 Lecturer, Technical English.

Brown, Homer Grant, 饒和美 M.A., Columbia. Lecturer, Education.

Chapman, B. Burgoyne, 賈溥明 M.A., Sydn., Camb. and Columbia, Dip. Educn. Camb. and Teachers Coll., Columbia, F.R.G.S. Lecturer, Education.

Chao Shao-han, 趙少咸 Lecturer, Chinese.

Chiang Wen-kang, 姜蘊剛 B.A., Lecturer, Sociology.

Djin Shi-tien, 晋希天 B.S., West China. Instructor, Clinical Photography.

Gi Gan-chen, 紀幹晨 Lecturer, Pharmacy.

Graham, David C., 葛維漢 Ph.D., Chicago; D.Sc., Whitman College. Associate Professor, Archeology, and Curator of the Museum of Archeology.

Hansing, Ovidia, 韓馨生 M.A., Ph.D., Northwestern. Lecturer, Philosophy.

Huang Fang-kang, 黃方剛 Ph.D., Harvard. Lecturer, Philosophy.

Kennard, May F., 解難夫人 B.A., Bryn Mawr. Lecturer, English.

Kilborn, Janet McClure, 啓靜卿 M.D., Toronto. Lecturer, Technical English.

Kung Hsiang-nung, 龔向農 Lecturer, Chinese.

Kung Tuan-chang, 龔端讓 B.Sc., Yenching. Instructor, Biology.

Li P'ei-fu, 李培甫 Lecturer, Chinese.

Li Ping-ying, 李炳英 Lecturer, Chinese.

*Liljestrand, Ethel, 李哲士夫人 B.A., Syracuse. Registrar, Clinical Gynecology.

Lin Shan-yü, 林山腴 Lecturer, Chinese.

Lindsay, Alice W., 林則夫人 Lecturer, English and Technical English.

Lo Ch'i-yuin, 駱啓榮 Lecturer, Biology.

Lo, Lucy, 羅光璧夫人 B.A., West China. Lecturer, Fine Arts.

*Manly, Marian E., 滿秀實 B.A., Ohio Wesleyan, M.D., Rush. Senior Instructor, Obstetrics & Gynecology.

Moncrieff, Virginia, 孟克明夫人 Lecturer, Fine Arts.

*Morse, Anna C., 莫爾思夫人 Lecturer, Anatomical Drawing, & Fine Arts.

Mullett, Pearl B., 吉士道夫人 Lecturer, English & Technical English.

P'eng Yun-sheng, 彭雲生 Lecturer, Chinese.

Phelps, Margaret H., 費爾樸夫人 B.A., Lecturer, Fine Arts.

Reeves, Cora D., 黎富思 B.A., Ph.D., Michigan. Visiting Professor, Biology.

Sewell, Hilda Guy, 徐維理夫人 B.Sc., Leeds. Lecturer, Biology.

Shih Ru-tsong, 施汝聰 Lecturer, Chemistry.

Simkin, Robert, 沈克瑩 M.A., Columbia, B.D. Professor, Religion.

Smalley, Nellie, 司馬烈夫人 B.A., Oxford. Lecturer, Fine Arts, History, English.

Sparling, George W., 宋道明 M.A., Toronto, D.D., Wesley. Lecturer, Philosophy.

Stockwell, Esther, 卓偉夫人 B.A., Ohio Wesleyan. Lecturer, Fine Arts.

Sung Ch'eng-chih, 宋誠之 B.A., West China. Visiting Professor, Religion.

Sung Shu-hsiu, 宋蜀秀 B.A., West China. Assistant, Fine Arts.

T'ang Yuin-fu, 湯允夫 Lecturer, Economics.

Thexton, Annie, 丁玉成 M.A., Manitoba Lecturer, English.

Wang Cheng-kuan, 汪正琯 B.S., West China. Instructor, Biology.

Wang Chun-hsien, 王俊賢 B.A., West China, B.D., Yenching. Lecturer, Religion.

Wang Hwan-hsin, 王煥新 B.S., West China. Assistant, Chemistry.

Weiss, Ruth, 魏璐詩 Ph.D., Vienna. Lecturer, Foreign Languages.

*Wilford, Claudia, 胡祖遺夫人 Lecturer, Fine Arts.

Willmott, Katherine, 雲從龍夫人 M.A., Columbia. Lecturer, English.

Yang Yu-tzu, 楊佑之 Lecturer, Sociology.

Yuan, Germaine, 袁夫人 Instructor, French.

*On furlough.

**Leave of absence

Chang Tzu-ch'i, 張紫祺 Assistant, Bursar's Office.

Ch'en Ko-ta, 陳可大 Chinese Office Secretary.

Den Gwang-lu, 鄧光陸 B.A., West China. Assistant, Library.

Djin Hsi-t'ien, 晉希天 B.A., West China. Head, Photographic Studio.

Feng Keh-min, 酆克明 Assistant, Bursar's Office.

Graham, Mrs. 葛師母 Secretary, Museum.

Kwang Gwang-yu, 況光裕 Assistant, Library.

Lin Min-chuin, 林名均 B.A., West China. Assistant, Museum.

Robertson, Miss M. 馬寶瑾 Western Office Secretary.

Shu Bao-fen, 徐寶芬 N.A.C., University Dental Clinic.

Yo Ch'ing-ch'en, 岳清澄 B.A., West China. Assistant, Library.

TRAVEL

During the last few years there has been a rapid improvement in communications, both within the Province and with other parts of China. Good roads connect the large centers of Szechwan. Other roads are under construction which, when finished, will join this province more closely to other parts of the country.

An efficient air service for passengers and for mail has been operating for two years.

Persons travelling from Shanghai to Chengtu are advised to book passage on through river steamers from Shanghai to Chungking. In summer and autumn this trip can be made in about ten days; in winter a few more days should be allowed but the trip should not take more than two weeks. From Chungking to Chengtu there is a motor bus service which runs regularly, making the distance in two days. The fare between Chungking and Chengtu is approximately $20.

UNIVERSITY COLLEGES AND SCHOOLS

The work of the University is carried on under the following Colleges.

I. University Colleges

1. College of Arts—four years
2. College of Science—four years
3. College of Medicine and Dentistry—five years
4. College of Religion—three years

Two years prerequisite college courses are offered under the College of Science to enable students to qualify for entrance to the Medical-Dental Courses.

See College Announcements and Requirements for Admission for detailed information.

The catalogues are printed in the English and Chinese languages in alternate years.

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II. University or Affiliated Schools

1. Senior Middle School	Three years
2. Goucher Junior Middle Practice School	Three years
3. Dewey Practice School, Primary	Six years

REQUIREMENTS FOR ADMISSION

Candidates seeking admission to the University should call upon, or write to, the Registrar at the Administration Building of the University and secure registration for the Entrance Examination. Candidates who qualify for entrance are required to pay the tuition fee for the term, secure permission to reside in a college dormitory, and have their schedule of studies approved by their College Principal, the Dean of the College they elect and the Registrar before entering classes. Each applicant must present 4 photographs with his application for admittance. For fuller information in regard to entrance the student should apply to the Registrar.

1. Character.

All applicants for admission to the college or schools of the University must furnish proof of good moral character. They must promise to obey the rules and regulations of the University, to perform faithfully all scholastic and other duties to which they may be assigned or elected, and to strive at all times to uphold the honor and good name of the University.

2. Scholastic Standards.

The scholastic standards of entrance to the University are determined by the standards of graduation from Middle Schools as fixed by the regulations of the Board of Education of the Chinese Government, and by the college entrance requirements as stated under No. 4. Entrance requirements for the College of Medicine and Dentistry are stated in their catalogue.

3. Health.

A physical examination is required of each student.

4. Entrance Requirements for the Colleges of Arts and Science, and Prerequisite Courses in Medicine and Dentistry.

A. For admission to any course leading to a University degree the candidate shall have completed six years of Junior and Senior Middle School work, and shall also give evidence that he is qualified to do the required work in the course he elects.

Students desiring to enter the University are required to take entrance examinations in the following subjects:

* *** Chinese Language
* Chinese & Foreign Geography
* Chinese & Foreign History
* *** English
** *** Trigonometry & Analytical Geometry
** *** Algebra & Geometry
** *** Physics
** *** Chemistry
** *** Biology
* *** Intelligence Test

Students desiring to enter the College of Arts must pass in subjects marked "*" and in any two of those marked "**".

Students desiring to enter the College of Science or the College of Medicine and Dentistry must pass in subjects marked "***".

Students are recommended to take all the examinations in order to avoid difficulty in case they should later wish to transfer from one College to another.

Students must be interviewed personally.

B. An applicant for admission to special subjects or to a course not leading to a degree must pass the regular entrance examination to test his fitness to pursue the subjects or course he desires to elect, and present evidence that he has satisfactorily completed the work prerequisite for such subjects or course. The subjects should not exceed 21 hours and should be selected in consultation with the candidate's College Principal.

The regular rate of tuition is charged for 10 to 21 hours. If less than 10 hours are taken the rate is $3.00 an hour.

Students taking courses subsequent to graduation must obtain the approval of the college in which they wish to study and shall be required to register with the Registrar of the University and their fees shall be the same as for undergraduate students.

NOTE. A student under this classification who later desires to regularize his course for a degree may at the discretion of the Cabinet be given credit for work done.

TUITION

The tuition fees for all the University Colleges are as follows:

	Autumn Term		Spring Term	
	Tuition	Dormitory	Tuition	Dormitory
Arts	$26.	$5.	$22.	$5.
Science	$31.	$5.	$27.	$5.
Medicine & Dentistry	$31.	$5.	$27.	$5.

The above fees will be charged during the regular days of registration.

Tuition fees which are not paid on the two registration days will be increased at the rate of $1. per week until payment is made.

Students registering in the men's medical dormitory in the city will be required to pay an annual fee of five dollars in addition to the regular tuition fee.

All students taking any courses or course in Chemistry shall pay a fee of one dollar per term to the Chemistry Department.

Examinations and Deposit.

A laboratory deposit fee of $5.00 per year is required of students in Science (except Maths.), Medicine (except 5th year) and Dentistry and from Arts students taking Science courses. This is returnable after deductions have been made for any breakages. However in cases where breakages exceed $5.00 students are required to pay the full amount. Grades cannot be sent to the registrar until this has been paid.

All laboratory fees are payable with the tuition fees at the time of registration.

Board, Lodging and Light.

Board and lodging are provided in the college dormitories. The student is required to furnish his own bedding. The present rate for board is about $5. - $6. per month payable each term at the time when tuition fees are paid. Fees for electric light average $5. per term.

Laundry.

Arrangements are made in each of the dormitories for washing, barbering, mending, etc., at the expense of the students.

Books.

Text books may be purchased from the principal book stores of the city. Books may also be purchased from the University Book Store or ordered from the publishers. The cost of books varies in the different faculties. The expense is borne by the student.

Suits and Other Expenses.

An athletic fee of fifty cents will be charged each student each term for athletic supplies and general athletic expenses. A fee of $5. is required of all new students for a University uniform. These fees must be paid at the time of registration.

Candidates for graduation are required to provide gown, cap, and hood for the graduation ceremony.

For rates of tuition for summer or special courses apply to the Registrar of the University.

Summary of Yearly Expenses.

Tuition and other fees	$80—$110
Board and Domitory exp.	60— 80
Books	20— 80
Washing	10— 20
Incidentals	20— 50
TOTAL - -	$190—$340

Endowment Fund.

Each student is required to pay to the University during his first year $10. in two instalments, to initiate an Endowment Fund.

GRADUATION DEGREES

(1) At the completion of the prescribed courses the following degrees are conferred by the University upon successful candidates. (See the Colleges Courses of Study).

Bachelor of Arts	(B.A.)
Bachelor of Science	(B.S.)
Doctor of Medicine	(M.D.)
Doctor of Dental Surgery	(D.D.S.)

The Bachelor of Arts Degree—The degree of Bachelor of Arts is conferred upon those students who have met the requirements for graduation in the College of Arts.

The Bachelor of Science Degree—The degree of Bachelor of Science is conferred upon those students who have met the requirements for graduation in the College of Science. The degree of Bachelor of Science, (B.S.) (Pharmacy), will be given upon the satisfactory completion of the prescribed course in Pharmacy and an accepted thesis.

The Degree of Doctor of Medicine—This degree is conferred upon such students as have completed the medical course, and have met other requirements requisite for graduation.

The Degree of Doctor of Dental Surgery—This degree is conferred upon such students as have completed the dental course, and have met other requirements requisite for graduation.

All Degrees are conferred by the University of the State of New York.

(2) College gowns, caps and hoods are required for the graduation ceremony. Candidates for graduation are expected to provide these in conformity with the usage of the College in which they have studied.

THE LIBRARY

The Library is open on all week days during the college year from 8 a.m. to 12 noon; from 1 to 5.30 p.m; from 6.30 to 9.30 p.m.; on holidays from 9 a.m. to noon.

The Student Reading Room, occupying the entire centre front of the building, is accessible to the graduates, the University students and during the daytime to such Middle School students as on entering display their school insignia. In this room are placed the dictionaries and an excellent assortment of Chinese current periodicals of both scientific and general interest.

The Faculty Reading Room, situated along the south end of the building and containing foreign language periodicals published in China and abroad, is open to all Faculty members, and to graduates. In this reading room are also available the many exchange scientific periodicals which come to the West China Border Research Society from scientific research bodies in China and abroad. Here, too, the International Relations Club has its headquarters and non-members have the privilege of reading the various important publications on international questions which come to the club. The University Book Club, with its membership principally among faculty members, houses in this room its collection of the best annually published works of biography, travelogue, popular science, child training, and historical and problem fiction; after a year or two of circulation within the club, the books become the property of the University Library.

The stackroom contains general and departmental books in both Chinese and foreign languages, the total number approximating Chinese 60,000, other languages 15,000, the latter including about 2000 volumes of bound technical periodicals principally in science, medicine and dentistry. A considerable number of pamphlets, reports and a few books, publications of the Smithsonian Institute, the Rockefeller and Carnegie Foundations and various Agricultural Experiment Stations come annually to the Library. In another room is placed the valuable private Chinese library of Mr. Lo Heo Fuh and his family: this collection consists of 25,596 volumes and has been loaned to the University for an indefinite period.

There is a large seminar room set apart for the exclusive use of the Chinese Department containing a small library and facilities for individual study.

Each year the Library is the recipient of many gifts and loans from members of the staff, outside friends, colleges and publishers in China and abroad, including periodical subscriptions, books, pamphlets, catalogues, reports and occasionally pictures. Annually as many standard works are added to the general and departmental libraries as the limited funds of the library and faculties allow.

The Harvard-Yenching Endowment Fund, of which the University has become one of the beneficiaries, has greatly facilitated the addition of valuable standard books both in Chinese and foreign languages, principally in the former, which will be of great value to the department of research in Chinese Studies, literary and scientific, giving to it a most heartening impetus. Without this aid the extremely limited library budget would have severely restricted an unrivalled opportunity which comes because of the unique location of the University and because of the keenness of the entire staff to push forward such work.

MUSEUMS

Three museums are in process of development: one of cultural, historical, and art materials; one a natural history museum; and one a medical-dental museum. These will not only be of much educational value to students, but will enable the University to be of greater service to the people of West China. In each of these museums an excellent beginning has been made, and useful and valuable objects are being acquired either as gifts or by purchase.

The natural history collection is in the Atherton biology and preventive medicine building. The West China Union University Archaeological Museum of historical, cultural and art objects occupies the museum section of the Lamont Library and Museum Building. This museum is sustained by grants from the Harvard-Yenching Institute designated for the West China Union University. David C. Graham, Ph.D., D.Sc., is the curator of this museum. During the past two decades Professor Daniel S. Dye, Rev. Thomas Torrance, F.R.G.S., Rev. J. Huston Edgar, F.R.G.S., F.R.A.I. and others have collected about six thousand objects. Recent additions and the purchase of many Tibetan objects have increased the

collection to over 22000 objects, including pottery, jades, bronzes, embroideries, coins, stone implements, etc. Of these 15559 are Chinese, 3482 are Tibetan, 1538 are from tribal groups in West China, and the rest from foreign countries.

There is a large collection of paleolithic stone implements given by the late J. Huston Edgar. D. C. Graham has found more than eighty soft stone scrapers, punches and knives which fill a whole case and are of great interest. A large gift has come from General Ch'en consisting of two hundred and fifty bricks and iron temple objects including urns and bells.

These have all been catalogued and many of them are on exhibition. It is hoped that this museum will in future years have the most complete exhibit of the cultural objects of this general area to be found anywhere in the world, and that it will be a center of study for students in China and abroad, and especially valuable to the people of West China.

The medical and dental collections are in the medical and dental college.

PHOTOGRAPHIC STUDIO

The Photographic Studio was originally outfitted through a grant from the Eastman Kodak Company of Rochester, New York.

In the past the Studio has provided courses in the art and technique of Photography, but at present its facilities in staff and equipment are limited.

The Studio serves the faculty in the preparation of lantern slides and all other teaching material requiring photographic co-operation. There is also a department which developes, enlarges, tints and finishes pictures for a large group of kodak enthusiasts.

THE UNIVERSITY DENTAL CLINIC.

The first dental clinic of the West China Union University was opened early in 1923 in Hart College. Later in the same year a second clinic was started in Vandeman College building. Before the year closed the two clinics merged to become the University Dental Clinic of the Faculty of Dentistry. Its quarters were in the upper storey, north wing of the Administration building.

In 1928, on the completion of the present Medical-Dental building, the Clinic was moved to its present site. The accommodation is in no way ideal for modern dental requirements and is much too crowded for efficient administration.

The Clinic has been self-supporting as far as maintenance is concerned (the income has never been made to meet the expenditure on staff) and it has had donations from the Central and Provincial Governments for some of the heavy equipment.

The Clinic serves as the teaching operative clinic of the Faculty of Dentistry. Here internes are supervised in their application of pre-clinical dental arts and sciences.

Up to the present the University Dental Clinic is the only division of clinical medicine and dentistry which the University directly controls. It will form a part of the projected Medical-Dental Clinical Hospital.

THE MISSIONARY TRAINING SCHOOL.

The Missionary Training School is conducted for the training of missionaries appointed to work in West China. In recent years, with the very small number of students entering each year, this training has been confined largely to the study of the Chinese language. The first year's work is given in residence. The course of study, while varying somewhat from that of the China Inland Mission and the College of Chinese Studies in Peiping, is of approximately the same standard, and usually requires at least five years for its completion, the students generally being appointed to work not later than the completion of their second year of study.

TECHNICAL SERVICES GROUP.

1. *The School of Nursing of the Men's Hospital of the United Church of Canada* was begun in 1914 when the present building was erected. In 1920 the School registered with the Nurses' Association of China, thus conforming with the standards set by that organisation. The Nurses' Association of China is also a member of the International Association of Nurses. Registration with the Government was effected in 1935, so that now our nurses write on examinations set by the Government.

Seventy-five nurses have graduated since the School started. Eighteen are working in this Hospital at present, and about ten in other hospitals. The remainder hold positions with the military. There are forty-five students in all, of whom thirty-seven are girls.

A new class is received in September of each year. Entrance requirements are as follows: Applicants must be between the ages of 18 and 30, and must hold a Government Diploma from a Junior Middle School. The fees for the whole course are $55 , $40 to be paid on entrance and $15. at the beginning of the second year. Books and uniforms are supplied by the School. Applications may be sent to the Principal, Mr. Yu Ben-wen.

2. *The School of Nursing of the Women's Hospital of the United Church of Canada* began in 1915 when the present building was erected. In 1919 the School registered with the Nurses' Association of China, thus conforming with the standards set by that organisation. The Chinese association is also a member of the International Association of Nurses. Registration with the Government was completed in 1937, so that our nurses try the examinations set by the Government.

Eighty-two nurses have graduated since the School started. Many of these are working in hospitals, some in schools as school nurses, a few in Public Health work, and a large percentage are married.

A new class is received in September of each year. Entrance requirements are as follows: Applicants must be between the ages of 18 and 30, and must have a Government diploma from a Junior Middle School. They are also required to have a further year of study either in the Senior Middle School or the Union Normal School. Those having a higher standard will be given preference. Senior Middle School

graduates are preferred. The fees for the whole course are $55., $40 to be paid on entrance and $15. at the beginning of the second year. Books and uniforms are supplied by the School. Applications may be sent to the Principal, Miss Dju Shu-chuan.

3. *The School of Midwifery* was founded in 1931 by the W.F.M.S. of the Methodist Episcopal Mission. The course is two years. In the first year the curriculum is as follows:

Normal Obstetrics
The Human Body in Health (covering Anatomy and Physiology)
The Human Body in Disease (covering Pathology, symptomatology, Bacteriology, Etiology of Diseases, etc.)
Materia Medica (taking up only the drugs used in their work)
Practical work in the dispensary, laboratory and workrooms, covering use of diagnostic instruments, aseptic technique, preparation and sterilization of supplies, care of dispensary patients, child care, preparation of drugs.
Deliveries - the student attends about forty deliveries as assistant, and makes at least one hundred postpartum calls.

In the second year the course is as follows:

Abnormal Obstetrics
Technique of operative delivery, with practice on the mannikin.
Pediatrics
Gynecology
Practical Nursing
Dermatology
Practical work in the dispensary, etc.
Deliveries - the student attends fifty or sixty deliveries, acting as assistant or performing the delivery herself, and makes after-calls.

Including the Class of 1937, we have had a total of 44 graduates from the school. Seven of these have had an additional one or more years' practice and instruction, taking advanced work in the school.

Principal.	Miss Elizabeth Wang, N.A.C.
Medical Director	*Dr. Marian E. Manly, M.D.
Acting " "	Dr. Helen Pen-Beh, M.D.

4. *Course for Hospital Laboratory Technicians.*

There are two courses offered for the training of Hospital Laboratory Technicians. One course is for graduate male or female nurses who serve a twelve months training in all technical procedures together with explanatory lectures, given at the chief laboratory at the Men's Hospital.

The other course is for Senior Middle School graduates, male or female, who take a three year training course in all hospital Laboratory procedures including making of culture media, section cutting and staining, biochemical analysis, etc. These latter students take the same lectures and examinations as the medical students in Bacteriology, Serology, Clinical Biochemistry, and Parasitology and they receive a professional technician's diploma when the course has been successfully completed.

Dormitory space at the hospitals is provided but students pay all other expense personally for the first year, after which board is provided and a small honorarium.

Pending the building of the new University Hospital admissions into this course are greatly restricted and students are advised to get into touch early with the head of the Department of Pathology Division I concerning possible vacancies.

HEALTH REGULATIONS

A special dispensary clinic is open in the Atherton Memorial Building for students of the University and the nearby community. Arrangements also exist with the mission hospitals within the city by which students of the University may be seen without delay in case of sickness. In case of severe illness the University physician will visit the patient in his room, or the patient may be removed to one of the hospitals. Treatment is at the expense of the student.

Physical Culture.

Recognising the fact that an educated mind can be little practical use unless supported by bodily vigour, physical culture is included in the University curriculum. Facilities are given for a medical examination of all students. Unless this examination is made at the time fixed, the student will be required to pay the regular medical fees.

A minimum of 3 hours of systematic physical exercise per week, to count as one and a half credits each term will be required of all students during their first and second years of precollegiate and college work unless excused by the examining physician.

The students' individual needs and preferences will be recognized as far as possible. The course will involve free-hand calisthenics, wand drill, apparatus work and a variety of track and field games. In addition to the above requirements there will be an opportunity for students to take part in voluntary sports.

The control of athletics and physical culture is centralized in an Atbletic Committee appointed by the Student Association. The Health Committee is in charge of health affairs.

All students in their first years of residence will be required to provide suitable athletic suits costing approximately $2.00. This amount must be paid at the beginning of the College year at the same time as other fees.

The standing of students in the subject of physical culture is determined by attendance at classes and the interest and general attention shown.

RECITATIONS, EXAMINATIONS, DISCIPLINE, RULES.

Attendance at Lectures.

Attendance at the regular lectures, recitations and examinations of the University is compulsory. Any student under necessity of absenting himself must first obtain a written permit from his College Principal, and see that the form is properly filed with the Registrar. Absences from any class during one term are limited to the number of hours required in that subject each week. Two marks will be deducted for each absence in excess of this limit.

Students appearing late for lectures may have marks deducted.

Essays, preparation of notebooks, monthly tests, grades, etc., are the option of and under the control of the instructors.

Examinations

1. Term and final examinations are required by the colleges.

2. Where the course covers two terms' work, the student must make a grade of at least 60% for each term. The grades of the two terms shall not be averaged. Each term's grade is determined by the class work as well as the examination mark.

3. Any student failing to obtain a satisfactory grade during the term may be excluded from the examination.

4. Students wilfully absenting themselves from class tests or term examinations shall not be allowed to try the final examination.

5. Every student must take the regular examination unless he presents a medical certificate of illness signed by a university physician, or unless he is exempted because of the death of a parent or of any other important reason.

6. In case of unavoidable absence from term or final examinations, supplementary examinations may be given at the discretion of the college. Application for such examinations should be made through the college Principal and Registrar.

7. A student of any year who fails to get 40% in one-third of his credits in the final examinations of the year must repeat the year.

8. A student failing in any subject in a term or final examination may be given a supplemental examination before the opening of the next term. The fee for such an examination is fifty cents.

9. Supplemental examinations for students failing in the autumn term will be held within two weeks of the opening of the Spring term. Supplemental examinations for students failing in the spring term will be held two weeks before the opening of the autumn term.

10. No supplemental examination will be given after the close of the term following that in which the course was taken.

11. If a student fails in more than half of his credits in any year he shall not be given a supplemental examination unless he has a university physician's certificate of illness. In such a case special consideration will be given to the student.

12. No student in the university shall be permitted to repeat any year in college more than once.

13. No credits shall be given for a half year's work in a course which covers a year unless there are reasons which are satisfactory to the Cabinet.

14. Any student found cheating at an examination will forfeit his marks in that subject, and in addition will receive two marks of discredit.

15. The standing of students in term and final examinations is published by the Registrar. Pass cards are also issued for the information of students and parents.

16. A student who discontinues his studies for more than one year on re-entering must meet requirements for entrance to the year in which he wishes to register.

17. All candidates for graduation degrees are required to present a Thesis. The subject of the thesis should be approved by the head of the Department and the Dean of the College at the close of the Junior Year. The thesis should be presented to the Dean of the College not later than the middle of May of the year in which the candidate hopes to graduate.

Discipline.

Any student refusing to obey the rules of the University may be expelled permanently or suspended for a period of time as determined by the University authorities.

In case a student is expelled or suspended no fees will be refunded.

The use of wine or cigarettes on the University grounds is forbidden.

The carrying of firearms or the shooting of birds is prohibited on the university grounds.

Visitors.

Visitors to the dormitories are usually received only after 4 p.m.

Persons desiring to visit the classes of the University are requested to notify the President in advance.

Religious Services.

In addition to the courses offered in religious knowledge daily morning chapel and Sunday evening services are held in University Colleges or Schools for all students.

The churches of the city cordially invite the students of the University to attend their services. They also offer opportunities for those qualified to assist in Christian work.

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STUDENT ASSOCIATIONS

The Student Self-Governing Association.

Following the regulations outlined by the Government, the students have organized themselves into a self-governing society which takes oversight of all affairs outside of curricular activities which concern the student body.

Athletic Association.

Every student is a member of the Athletic Association and officers are elected once a year. Football, baseball, handball, tennis and other games are played. A fee of fifty cents a term is required, payable to the Bursar.

Educational Club.

The students enrolled in the College of Education, together with other students who are especially interested are eligible for membership in the Educational Club. Meetings are held periodically with members of the Faculty of Education for the discussion and study of problems specially related to educational work in Szechwan.

†Science Club.

This is an association of the students enrolled in the Faculty of Science and such other students as are particularly interested in scientific subjects. It meets at stated times with members of the College of Science for the discussion of scientific subjects and the application of science to the life of the Szechwanese. Social meetings are also held.

†Arts Club.

The Arts Club is composed of students studying in the College of Arts who wish to discuss subjects specially connected with their interests, or subjects of current interest. It is hoped that through the Arts Club the social life of the College will be served.

†A fee of fifty cents a term is required.

†Medical Students' Association.

This is an association of the students registered in the Faculty of Medicine. Its purpose is twofold. The association meets for the discussion of topics of interest to students in Medicine, and also for social activities. In this way it helps to keep students of different years and dormitories in touch with each other while promoting interest in their chosen profession.

†Dental Students' Society.

The students of the Faculty of Dentistry have organized a Dental Society.

Membership is open to all dental students and the dental teachers may become honorary members. Besides regular monthly meetings at which the teachers give special lectures, social gatherings are held at the beginning and end of each term. Special meetings are held as occasion demands.

Pharmacy Students' Association.

This is an association of the students registered in the Department of Pharmacy.

Meetings of the association are planned at regular periods, some of which are of a social nature, while others take the form of special lectures and discussions on topics intended to promote interest in the profession of Pharmacy.

English Club.

All students who are taking a major or a minor course in English are eligible for membership in the English Club. Other students who have a special interest in English are also welcomed. All the business and social activities of the Club are carried on in the English language. The Club sponsors plays given in English at intervals during the academic year.

Chinese Club.

Students in the Department of Chinese and members of the Faculty of Chinese have organized a Chinese Club. This Club meets to hear and discuss papers and lectures on subjects

†A fee of fifty cents a term is required.

related to Chinese studies. The Club also affords opportunity for social intercourse.

Social Science Club.

All students and members of the Faculty who are interested in the Social Sciences may be members of this club. It meets several times each term to receive reports and hold discussions on topics concerning the social life of the people of Szechwan.

The Philosophy Club.

Students of the department of philosophy and interested members of the faculty have organized a philosophy club. This club meets to hear papers and lectures on philosophical subjects and for social intercourse.

The Phi Tau Phi Society.

A Chapter of the Phi Tau Phi Society was organized in the West China Union University in the year 1923 and is now recognized as one of the chapters of the national organization.

International Relations Club.

This Club was organized in 1932 in connection with the Carnegie Endowment for International Peace. The membership is composed of both students and faculty who are eager to study international questions objectively. At the monthly meetings one member is requested to give a review of current events, and another member is asked to give a review of a book on international problems.

Books, pamphlets and periodicals are received regularly from the Headquarters of the organization in New York. These are placed on a shelf in the Faculty Reading Room in the Library and are available as reference books.

Occasionally distinguished persons are invited to lecture to the University Community on some subject intimately connected with world peace.

Christian Student Movement.

Students who are especially interested in Christian service are organized in Religious Clubs and Associations. They

meet for the discussion of religious subjects and forms of Christian service and mutual helpfulness.

Association of Graduates.

The graduates of the University are organized as the Association of Graduates of the West China Union University. Their headquarters are in the Administration Building of the University.

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SCHOLARSHIPS AND PRIZES

1. *Rosemond Scholarships.* These scholarships are the gift of Fred L. Rosemond, Cambridge, Ohio, U.S.A., who gave Gold $600.00 the interest of which is to be used in providing tuition for worthy students. This money is to be applied to the winner of the Annual and Entrance scholarships in as far as the proceeds of the fund will provide such scholarships.

2. *Wallace Scholarship.* Through the kindness of Miss Wallace, Toronto, the University is enabled to offer a special scholarship amounting to G. $25.00 to the candidate who stands highest (at least 70%) in the regular examinations for entrance to the University. This scholarship is applicable to first year students in the Division of Education, at the discretion of the Faculty.

3. *Clifford M. Stubbs Memorial Scholarship in Pre-Medical and Pre-Dental Sciences.*

The scholarship amounting to $50.00 will be awarded annually to the student who completes the pre-medical or pre-dental course with the highest standing for the entire course. His standing shall be reckoned on the basis of the weighted average of the subjects prescribed in the university catalogue. The scholarship shall not be awarded to any student who has obtained a weighted average of less than 75%.

In exceptional cases if no person has obtained an academic standing sufficient to qualify him for the scholarship, it may be awarded to a student with a lower academic standing, provided that he has failed in no subject, and provided that he exemplifies to an unusual degree those qualities of character so well revealed in the life of Dr. Stubbs. The deans of Science, Medicine and Dentistry shall in such cases make unanimous recommendation that the scholarship be awarded.

Note.—In weighting the average, chemistry, biology, physics and English shall be reckoned as of approximately equal value, and shall total at least 90% of the course.

4. *Clifford M. Stubbs Scholarships in the College of Science.*

The Scholarships will consist of:

1. Tuition, or such percentage of tuition as the income will allow, of two students (or more in case of tie) in Science of the third and fourth years.

2. One Scholarship is for a student of the Chemistry Department, and one is for a student in the College of Science who may be registered in any department.
3. The average grade for the year (2nd or 3rd) must be at least 75% and no science grade may drop below 70%. The scholarship must be won each year.
4. The scholarships are to be awarded upon recommendation of the College of Science to the Scholarship Committee upon the basis of scholarship, character and Health.
5. The scholarships may be withheld for a year when the faculty deems that the standard of work is below the standard set.

5. *Special Scholarships and Prizes for the Department of Pharmacy.*

1. General Proficiency Prize:—A prize of $10.00 toward tuition in the second year will be awarded to the student who has received the highest standing among those who have received an average of 80% or over in the subjects in the first year.
2. General Proficiency Scholarship:—A scholarship of $65.00 toward tuition in the third year will be awarded to the student who has received the highest standing among those who have received an average of 80% or over in the subjects in the second year.
3. General Proficiency Scholarship:—A scholarship of $65.00 toward tuition in the fourth year will be awarded to the student who has received the highest standing among those who have received an average of 80% or over in the subjects in the third year.
4. Materia Medica Prize:—A prize of $10.00 toward tuition or books for the following year, will be awarded to the student who has received the highest standing among those who have received 80% or over in Materia Medica (Ph. 7-8).
5. Pharmacy Prize:—A prize of $100.00 toward tuition or books for the following year will be awarded to the student who has received the highest standing among those who have received 80% or over in Pharmaceutical Processes and Galenical Pharmacy (Ph. 11-12 and Ph. 15-16).

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Chinese Drug Research Prize:—A prize of $40.00 will be awarded, at the discretion of the Faculty, to the student who has received a satisfactorily high standing in the course "Chinese Drug Research" (Ph. 27-28), and who shows special adaptation and inclination to continue studies in this phase of Pharmacy.

6. *Pollard Scholarship.* This scholarship was founded in memory of Samuel Pollard, missionary to the Miao people, for the education of students of that race. The capital for this scholarship is $1000.00 which is invested to make available an annual sum of $60.00.

7. *The Luke Hsiao Scholarship.* By this scholarship, which is granted by Dr. Luke Hsiao, a graduate of our university of the class of 1923, tuition is supplied to a student pursuing the Medical Course. This scholarship is available to a student of high moral character, ranking high in his classroom work and who is not in a position to pay his own fees. It is expected that the money used will be repaid by the student after graduation and thus become available for another scholarship in the future.

8. *The Koh Scholarships.* These scholarships are granted by Mr. Koh Shu-kao, a friend of the university. They consist of free tuition for ten students studying in any college in any year. They are allotted annually upon a basis of character and standing and to students who are not in a position to pay fees. It is expected that the money thus used will be returned after graduation and thus become available for more scholarships in the future.

9. *Thompson Memorial Scholarship.*

This scholarship is made available through the kindness of Mrs. Thompson in memory of Dr. John E. Thompson, who was a professor in the College of Medicine and Dentistry till his death in 1932.

Two annual scholarships of approximately $35. each are awarded to students in dentistry at the end of the fourth year on recommendation of the dental members of the College. In awarding the scholarships, general proficiency and character shall be the basis of award.

10. *The Mrs. Yün Meng-chao Scholarship.* This scholarship provides tuition for the fifth year in Medicine. For detailed information, apply to the Registrar of the University

11. *The Harvard-Yenching Fund* grants three scholarships annually to students in the second or third year in the Department of Chinese. These Scholarships entitle the holders to free tuition for one year. A committee, the chairman of which is the Head of the Chinese Department, passes on the applications for these scholarships. The following conditions have been imposed:

(1) An applicant must furnish ample proof that he is in need of such financial assistance.

(2) An applicant must have maintained an average grade of at least 75% in all subjects taken in the Department of Chinese.

(3) All note-books and reports on supervised study must have been submitted according to schedule.

(4) All essays written by the applicant must have been submitted according to schedule.

(5) All outside work assigned by the instructors must have been satisfactorily completed.

(6) The applicant must not have had any unexcused absences.

(7) The applicant must be a person of good character, and of a sound constitution. He must have no habits of drinking or smoking.

12. *The Baranoff Annual Scholarship.* Dr. Alexander F. Baranoff, a graduate in dentistry of the College of Medicine and Dentistry, desiring to express his appreciation of and good-will towards the university, offers an annual scholarship covering a year's tuition to the dental student making the best average grade in Oral Physiology and Oral Pathology.

13. *Chemistry Department Scholarships.*

Beginning with the fall term, 1937, the College of Science on the recommendation of the staff of the Department of Chemistry will award two annual scholarships of the value of $50.00 each.

The terms of award are as follows:

1. Scholarships may be awarded to 2nd, 3rd and 4th year students registered in the Department of Chemistry. One scholarship shall be awarded to a 2nd year student if a suitable candidate is available.

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2. Candidates will be nominated by the staff of the Department of Chemistry.

3. Students to be eligible must secure an average of at least 75% in all major science subjects of the previous year. No subject may fall below a grade of 60%. A doctor's certificate may be required before awarding the scholarships.

4. If no suitable candidates are available the money may be used in other ways on the recommendation of the staff of the Department of Chemistry.

5. The scholarships shall be granted in two equal instalments of $25.00 at the beginning of each term. The second instalment may be cancelled if the student's work drops below scholarship grade.

14. *Wesleyan University Scholarships.*

The students of Wesleyan University, U.S.A., have contributed nine scholarships for students in this University. These scholarships are available for students in their Junior year, and provide tuition for two years. (If there are not nine Junior students eligible, students of the second year may be chosen.)

Applicants must be worthy students of fine character and good ability, in need of financial assistance. Both men and women are eligible.

15. *Mission Scholarships.*

The University, through the co-operating Missions, offers a total of eighteen scholarships providing tuition and two scholarships covering tuition and board. Information regarding these scholarships may be obtained from the Principals of the various residential Colleges.

16. *The Morse Research Fund.*

This fund (three thousand five hundred dollars, Chinese currency) was donated by Anna C. Morse and W. Reginald Morse to the College of Medicine and Dentistry in March, 1937, and is primarily for the purpose of encouraging research in Anatomy and Anthropology. The interest derived from the fund may be awarded annually, and is open to all students and teachers of the college. The award may be given for laboratory or field work, and it is the wish of the donors to foster especially work in general anthropology through the Department of Anatomy, whenever possible.

The granting of the award is under the control of the Faculty of the College of Medicine and Dentistry, on recommendation of the College Committee on Research together with the head of the Department of Anatomy. Grants are made only for work of real value, and the award may not be made if in the opinion of the College the applicants for that year do not present work of sufficient merit. The results of researches deriving assistance from this fund must be presented to the College in written form. Awards may be made for the preparation and printing of such reports.

17. *The Morse Prize.*

This prize, to the value of the interest from five hundred dollars, Chinese currency, is given annually from the proceeds of a fund donated by Anna C. Morse and W. Reginald Morse to the College of Medicine and Dentistry. It is awarded to the graduating student in the Faculty of Medicine who ranks highest scholastically, spiritually and physically, and who bids fair in the opinion of his clinical teachers to become a conscientious, wholesome and outstanding physician.

The prize consists of a medal, together with a book or other suitable gift, or cash award.

The fund is under the control of the College, and is made upon the recommendation of the clinical teachers in the Faculty of Medicine.

The first award will be made in June, 1938.

18. *Essay Competition.* The Hodgkin Memorial Fund provides certain prizes for successful candidates in an essay competition on world peace movements and international co-operation. This is an annual competition with three prizes of $30, $20, and $10. Further information may be obtained from Mr. Sewell. Announcements will also appear on the Bulletin Board.

19. *Oratorical Contest.* The Hodgkin Memorial Fund sponsors an annual oratorical contest on subjects relating to world peace and international co-operation. Prizes of $10, $7, and $5 are offered.

General Regulations Governing Scholarships.

In addition to the special regulations governing the above scholarships the following General Regulations shall be applicable to all scholarships granted by the University:

1. No scholarship will be awarded where the candidate has failed in one subject during that year, or where he has failed to secure in his studies an average yearly grade of 75%.

2. Unless specially exempted by the University, the student obtaining a scholarship must attend University classes continuously from the time the scholarship is granted and for the time required by the scholarship, otherwise the scholarship shall lapse and may be awarded to another.

3. The University may rescind a scholarship at any time on account of improper conduct on the part of the recipient, continued ill health, or failure on the part of the student to make satisfactory progress. Failure in any final examination of any year may be considered a sufficient cause for cancelling a scholarship.

4. No student shall hold more than one scholarship during any one year, whether from the University or any other institution. In case a student qualifies for two scholarships one will revert to the student of next highest standing.

5. All scholarships are awarded on the basis of examinations being taken all at one examination period.

6. Scholarships are not held over but are available to students only if they enter the year immediately following the examination when the scholarship was received.

7. In awarding scholarships, when the average grades of students differ less than one per cent, such students shall be considered of equal rank and shall share the scholarship equally.

8. The standing of candidates for scholarships other than Entrance will be decided upon the following three points: Scholarship, health, leadership, and will be awarded by the University on the recommendation of the Scholarship Committee.

THE COLLEGE OF ARTS

Faculty

I. Full time Staff:

Anderson, Eleanor Waverly, 安得勝夫人 Dip. Music, Melbourne University. Senior Instructor, Fine Arts.

Ch'en Chia-i, 陳家驥 M.A., Yenching. Senior Instructor, Chinese.

Cheng Te-k'un, 鄭德坤 M.A., Yenching. Associate Professor, Chinese.

Chu Shao-pin, 朱少濱 Professor, Chinese.

Chung Chih-chu, 鍾稚珠 Tokio Normal School. Professor, Chinese.

Du Feng-fu, 杜奉符 B.A., West China; M.A., Yenching. Associate Professor, Chinese.

Fong Shu-hsuan, 方叔軒 B.A., West China. Professor, Education.

Fosnot, Pearl, 胡正德 B.A., Nebraska; M.A., Boston. Associate Professor, Philosophy.

Kennard, J. Spencer, 解難 B.A., Harvard; S.T.B., Princeton; M.A. and Ph.D., Yale; Litt.D., Paris; D. Theol. Strasbourg. Associate Professor, Foreign Languages.

**Liu Chih-chieh, 劉之介 B.A., West China; M.A., Chicago; Professor, Education.

**Lo Chung-shu, 羅忠恕 B.A., West China; M.A., Yenching; Associate Professor, Philosophy.

Meng Szu-ming, 蒙恩明 B.A., West China; Instructor, History.

Moncrieff, Jesse Edwin, 孟克明 B.Sc., M.A. Professor, English.

P'ang Shih-chou, 龐石帚 Professor, Chinese.

Phelps, Dryden Lindsay, 費爾樸 B.D., Ph.D., Yale; Professor, English.

*Robertson, Harold Deeks, 羅成錦 B.A., Toronto. Professor, History.

Shen Ssu-chuang, 沈嗣莊 M.A., B.D., Northwestern. Professor, Sociology.

Smalley, Frank, 司馬烈 M.A., B Litt., Oxford. Associate Professor, Political Science. Dean of College of Arts.

Streeter, Mary Elizabeth, 司美蘭 B.A., Syracuse. Senior Instructor, English.

*Ward, Annie, 汪德光 B.A., Toronto, Lecturer, Fine Arts.

II. Part time Staff:

Agnew, Robert Gordon, 劉延齡

Brown, Homer Grant, 饒和美 M.A., Lecturer, Education.

Chapman, B. B., 買溥明 M.A., Lecturer, Education.

Chao Shao-han, 趙少咸 Lecturer, Chinese.

Chiang Wen-kang, 姜蘊剛 B.A., Lecturer, Sociology.

Dickinson, Frank, 丁克生

Downer, Sara Boddie, 德樂爾

Dye, Jane, 戴謙和夫人

Foster, B. Louise, 方瑞芝

Graham, David C., 葛維漢 Ph.D., Chicago; D.Sc., Whitman College; Associate Professor, Archaeology, and Curator of the Museum of Archaeology.

Hansing, Ovidia, 韓羣生 M.A., Ph.D., Northwestern; Lecturer, Philosophy.

Huang Fang-kang, 黃方剛 Ph.D., Harvard; Lecturer, Philosophy.

Kennard, May F., 解難夫人 B.A., Bryn Mawr, Lecturer, English.

Kung Hsiang-nung, 龔向農 Lecturer, Chinese.

Li Ming-liang, 李明良

Li P'ei-fu, 李培甫 Lecturer, Chinese.

Li Ping-ying, 李炳英 Lecturer, Chinese.

Lin Shan-yu, 林山腴 Lecturer, Chinese.

Lindsay, Alice, 林則夫人 Lecturer, English.

Liu Li-hsien, 劉黎仙 B.A., West China; Associate Professor, Chinese, History.

Lo, Lucy, 羅光璧夫人 B.A., West China; Lecturer, Fine Arts.

*Morse, Anna, 莫爾思夫人 Lecturer, Fine Arts.

Moncrieff, Virginia, 孟克明夫人 Lecturer, Fine Arts.

Mullett, Pearl, 吉士道夫人 Lecturer, English.

P'eng Yun-sheng, 彭雲生 Lecturer, Chinese.

Phelps, Margaret, 費爾樸夫人 B.A., Lecturer, Fine Arts.

Sen Lung-kung, 孫倫工 Lecturer, Education.

Simkin, Robert, 沈克瑩 M.A., Columbia; B.D. Professor, Religion.

Smalley, Nellie, 司馬烈夫人 B.A., Oxford. Lecturer, Fine Arts, History, English.

Sparling, George, 宋道明 M.A., Toronto; D.D., Wesley; Lecturer, Philosophy.

Stockwell, Esther, 卓偉夫人 B.A., Ohio Wesleyan. Lecturer, Fine Arts.

Sung Ch'eng-chih, 宋誠之 B.A., West China; Visiting Professor, Religion.

Sung Shu-hsiu, 宋蜀秀 B.A., West China; Assistant, Fine Arts.

T'ang Yuin-fu, 湯允夫 Lecturer, Economics.

Thexton, Annie, 丁玉成 M.A., Manitoba; Lecturer, English.

Wang Chun-hsien, 王俊賢 B.A., West China; B.D., Yenching; Lecturer, Religion.

Weiss, Ruth, 魏璐詩 Ph.D., University of Vienna; Lecturer, Foreign Languages.

*Wilford, Claudia, 胡祖遺夫人 Lecturer, Fine Arts.

Willmott, Katherine, 雲從龍夫人 M.A., Lecturer, English.

Yang Yu-tzu, 楊佑之 Lecturer, Sociology.

Yuan, Germaine, 袁太太 Instructor, French.

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*On Furlough
**Leave of Absence

Historical Devflopment, Present Status, and Internal Organization of the College of Arts.

From the beginning, the College of Arts has had an important place in the organization of the University. Of the nine faculty members who were on the staff in 1910, six were teaching in the College of Arts. In 1913, when the University was re-opened after the Revolution, the College of Arts was divided into five departments—English, Education, History, Philosophy, and Religious Education and Social Service. In 1919 Education became an independent faculty with its own dean and seven instructors, leaving the College of Arts with a faculty of thirteen.

In 1920 the Department of Chinese Language and Literature first appeared in name, but was taught by only one teacher who offered two courses a week. It was properly organized as a department in 1926. Three years later this department received an endowment from the Hall Estate, and has grown rapidly ever since.

Music and Arts were first introduced into the curriculum in 1921, and were properly organized into a Department of Fine Arts in 1929.

In 1931, when the University applied to be registered with the Board of Education of the Chinese National Government, the Faculty of Education was again united with the College of Arts, and recognized as one of its departments. The College was then divided into seven departments:— Chinese Language and Literature, Philosophy, Education, History, Sociology, Foreign Languages and Literature, and Fine Arts.

In the Spring of 1935 inspectors from the Board of Education of the National Government came to visit the University, and the College of Arts was requested to reorganize into four departments, now known as the Department of Chinese, the Department of Foreign Languages, the Department of Philosophy, Education, and Fine Arts, and the Department of History, Political and Social Sciences.

Notes on the College of Arts.

Housing:

The College of Arts has its administrative offices in the Whiting Memorial Administration Hall. Certain classes in English, Fine Arts, Philosophy, and History are taught in the class-rooms in this building.

The Department of Chinese is housed on the first floor of the Friends' College. Classes in Education are carried on in the Cadbury Education building. Hart College has set aside class-rooms for the Division of History. The Department of Foreign Languages uses rooms on the first floor of Vandeman Hall.

Besides these regular class-rooms there is a seminar room in the Lamont Library building used by the Department of Chinese, provided with a small library.

The Library:

The Library of the College of Arts is housed in the Lamont Library building. The following is a summary of the books in the College of Arts library:

Department of Chinese	68,396	volumes
Department of Western Languages	1,691	"
Department of Philosophy, Education and Fine Arts	8,307	"
Department of History, Political and Social Sciences	4,923	"
Total	83,617	"

Tuition:

The tuition fee for the College of Arts is as follows:

Autumn term		Spring term	
Tuition	Dormitory	Tuition	Dormitory
$26	$5.	$22	$5.

Summary of yearly expenses:

Tuition and other fees	$80-$110.
Board and Dormitory expenses	45- 50
Books	20- 50
Washing	10- 15
Incidentals	20- 50
Total	$175-$275.

GRADUATION DEGREE:

At the completion of the prescribed courses in the College of Arts the degree of BACHELOR OF ARTS (B.A.) is conferred upon successful candidates.

All degrees are conferred by the University upon the authority of the Board of Regents of the University of the State of New York.

GOVERNMENT AID:

Since the Autumn of 1934 it has been the policy of the National Board of Education to give financial assistance to certain private universities. A special committee of the National Government and the National Board of Education determines which institutions shall receive such aid, and also what sum shall be granted to each. These two items are contingent upon the quality of work done in the university and the actual financial need of the university. The Government is eager to encourage scientific studies and for that reason grants for equipment and apparatus to Colleges of Science and Medicine are more readily obtained than are grants for Colleges of Arts. However, the National Government has made a grant for three consecutive years of $4000. for a Professorship in the Department of Chinese. It is expected that such financial assistance will continue to be given to the College of Arts.

COLLEGE OF ARTS

Officers of Administration

Smalley, Frank A.,	Dean
Streeter, Mary E.,	Secretary

Chairmen of Departments and Heads of Divisions

P'ang Shih-chou	Chairman of the Department of Chinese.
Moncrieff, Jesse E.,	Chairman of the Department of Western Languages.
Streeter, Mary E.,	Head of the Division of English Literature.
Liu Chih-chieh	Chairman of the Department of Philosophy, Education and Fine Arts.

Fosnot, Pearl B.,	Head of the Division of Philosophy.
Anderson, Eleanor W.,	Head of the Division of Fine Arts.
Smalley, Frank A.,	Chairman of the Department of History, Political and Social Sciences.
Shen Ssu-chuang	Head of the Division of Sociology and Economics.

Executive Committee:

The Executive Committee is composed of the Dean, Chairmen of Departments, Heads of Divisions; the President of the University, Chancellor, Vice-Chancellors (ex officio). The Dean of the College of Arts is the Chairman of the Executive Committee.

Entrance Requirements of the College of Arts

The candidate must have completed prescribed pre-collegiate courses, or have been graduated from an accredited Senior Middle School and, in addition, he must take examinations in the following subjects:

(1) Chinese Language, (2) Chinese and Foreign Geography, (3) Chinese and Foreign History, (4) English, (5) Intelligence Test (6) Trigonometry and Analytical Geometry, (7) Algebra and Geometry, (8) Physics, (9) Chemistry, (10) Biology.

A candidate for admission to the College of Arts must pass examinations in subjects numbered 1-5 and any two of the subjects numbered 6-10.

Regulations of the College of Arts

1. With the exception of certain students majoring in Chinese, all the students of the College of Arts are required to take the courses of the Common Freshman Year.

2. During the second term of the Freshman year, students may choose their major and minor courses. The choice of these courses must be made in consultation with the Dean, Chairmen of Departments and Heads of Divisions. Students are not allowed to change their major or minor course from one department to another without the permission of the Dean of the College and of the Chairmen of the departments concerned, and the consent of the Registrar. No student can change his major or minor course after the junior year.

3. The minimum requirement for a major course is 40 credits, and for a minor course, 20 credits.

4. The College of Arts requires each student to study four years. The total number of credits required for graduation is 148. These credits are divided as follows: First Year 39; Second Year 39; Third Year 38; Fourth Year 32. Students in the Fourth Year must leave ample time to write the graduation thesis. Under special circumstances, a student may take more than 32 credits in his last year, if the Dean of the College, the Chairmen of the Departments, and the Registrar agree.

5. All Second Year students must take 4 credits in Chinese; 8 credits in English; 4 credits in Philosophy; 4 credits either in History of Chinese Literature or History of Chinese Culture, and 3 credits in Introduction to Political Science. Besides the 23 credits of the Common Second year, students may elect 16 credits from the chosen major and minor departments or divisions.

6. Some advanced courses are offered in alternate years. Seniors and Juniors are expected to be in the same class in such courses.

7. Beginning from the Sophomore year, students may elect some courses outside the major and minor departments, or courses in other Colleges of the University, if permission is granted by the Dean of the College of Arts and the Chairman of the major department and the instructor of the courses chosen.

8. These regulations apply to all students entering the University beginning with the Autumn of 1937.

Common Freshman Year

			Credits
Chinese	2	hours per week per year	4
English	7	" " " " " "	7
General Psychology	2	" " " " " "	4
History	2	" " " " " "	4
Sociology	3	" " " " term	3
Economics	3	" " " " " "	3
Biology	4	" " " " year	6
Ethics	2	" " " " " "	4
Principles of Education	2	" " " " term	2
Logic	2	" " " " " "	2
Total	24	hours per week per year	39

Time-Table of Common Freshman Year

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-9		Human Biology	Sociology (Autumn) Economics (Spring)	English		Human Biology
9-10	English	Sociology (Autumn) Economics (Spring)	Ethics or Religion	Sociology (Autumn) Economics (Spring)	Psychology	Ethics or Religion
10-11	Psychology	English	English	English	English	English
11-12	(English)					
1-2						
2-3	History	Chinese	History	Chinese	Biology Laboratory	
3-4	Principles of Education (Autumn) Logic (Spring)			Principles of Education (Autumn) Logic (Spring)	Biology Laboratory	

Common Sophomore Year

		Credits
Chinese	2 hours per week per year	4
History of Chinese Literature or History of Chinese Culture	3 " " " " " "	4
English	6 " " " " " "	8
Introduction to Philosophy or other courses in Philosophy or in Religion	2 " " " " " "	4
Introduction to Political Science (Autumn term)	3 " " " "	term 3
Total: Autumn term 16 hours per week Spring term 13 hours per week		
		23

Besides the above courses, students must elect 16 additional credits in the major and minor subjects chosen.

In the case of the Department of Western Languages, the student is required to take English 98 and to choose any two of the following courses: (a) Expository English, (b) Modern Drama, (c) French, (d) German

In the case of the Department of Philosophy, Education and Fine Arts, students are required to take Introduction to Education, Educational Psychology, Child Psychology, General Methods of Teaching or History of Philosophy or Music courses.

In the case of the Department of History, Political and Social Sciences, students are required to take History of Civilization, Social Survey, Statistics, and six credits in elective courses.

Without the permission of the Dean of the College, students are not allowed to take other courses as substitutes.

The Department of Chinese

Full time Staff:

P'ang Shih-chou	Chairman of the Department
Chu Shao-pin	History and Literature
Chung Chih-chu	Philology and Classics
Tu Feng-fu	Philosophical Works
Cheng Te-k'un	History and Philology
Ch'en Chia-i	Classics

Part time Staff:

Kung Hsiang-nung	Classics
Lin Shan-yu	Poetry and Classics
Li Pei-fu	Phonology
Li Ping-ying	Philosophical Works
Chao Shao-han	Phonology
T'ao Liang-sheng	Literature; Essays
P'eng Yun-sheng	Philosophical Works
Graham, David C.	Archaeology
Liu Li-hsien	History
Meng Szu-ming	History

The aim of the Department of Chinese is to promote the study of Chinese culture and literature; to collect and examine antiquities and materials of historical interest, and to interpret Chinese civilization to foreign countries.

Courses of Study.

First Year

Name of Course	Credits	Remarks
Philology	2	
Phonology	2	
Selections from Chinese Prose Writing	2	Every student taking this course must hand in one essay every fortnight.
History of Chinese Literature	2	
Chinese History	2	Every student taking this course is required to read Sze-ma Kuang's "Tong-chien" under the direction of the teacher.

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Mencius	2	
The Book of Poetry	2	Every student taking this course is required to read the Book of Poetry under the direction of the teacher.
(a) Common courses with students of other departments	8	3 hours Logic 6 hours per week English gives 4 credits
Total number of credits	21	

Second Year

Philology	2	
Phonology	2	
Selections from Chinese Prose Writing.	2	Every student must hand in one essay every fortnight.
Literary Criticism	2	
Chinese History	2	Every student taking this course is required to read "Tong-chien" under the direction of the teacher
Hsuan-tse	2	
Confucian Analects	2	
Book of Rites	2	Every student taking this course is required to read the "Book of Rites" under the direction of the teacher.
(a) Common course with students of other departments	3	Introduction to Philosophy.
Total number of credits	19	

Third Year

Selections from Chinese Prose Writings	2	Every student taking this course must hand in one essay every fortnight.
Poetry	2	
Lao-tsi	2	
Bibliography	2	
Introduction to the Classics	2	
*Electives	9	Supervised reading is required in at least one course.
Total number of credits	19	

Fourth Year

Selections from Chinese Prose Writing	2	Every student must hand in one essay every fortnight.
Poetry	2	Every student must hand in one poem every month.
Chuang-tse	2	
Introduction to Chinese Philosophy	2	
*Electives	8	Supervised reading is required in at least one course.
Total number of credits	16	

*_Elective Courses for the Third Year_

"Rhymed" Writings	2
Study of the Prose of a particular author	2
Sze-ma Chien's General History	2
Archaeology	2
History of Cultural Intercourse between the East and West	2
The Book of Lord Shang	2
The Book of Han-fei	2
The Philosophy of the Sung and Ming Dynasties	2
The Book of History	2

**_Elective Courses for the Fourth Year_

Chinese Drama	2
Study of the poetic works of a particular author	2
The History of the Han Dynasty	2
Method of Studying Chinese History	2
Mei-tsi	2
Lü Sze Chün-chiu	2
Chou-li	2
The Book of Changes	2

Common Courses with students of other departments:

(a) First Year:	English	6 hours a week; 4 credits.
	Logic	3

(b) Second Year: Introduction to Philosophy 3
Japanese Language 3

Courses of the Chinese Department

Chinese 1-2	Philology A	Mr. Chung	3-3
Chinese 3-4	Philology B	Mr. Chung	3-3
Chinese 5-6	Phonology A	Mr. Li	2-2
Chinese 7-8	Phonology B	Mr. Chao	2-2
Chinese 9-10	Chinese Essays	Mr. T'ao	3-3
Chinese 11-12	History of Chinese Literature	Mr. Tu	3-3
Chinese 13-14	The Analects	Mr. P'eng	2-2
Chinese 15-16	Book of Mencius	Mr. P'eng	2-2
Chinese 17-18	Cho-Chuan	Mr. Chung	4-4
Chinese 19-20	Book of Poetry	Mr. Chen	4-4
Chinese 21-22	Supervised Study: Book of History	Mr. Chao	3-3
Chinese 23-24	" " Book of Changes	Mr. Kung	3-3
Chinese 25-26	" " Book of Rites	Mr. Kung	3-3
Chinese 27-28	" " Spring and Autumn Annals	Mr. Chu	3-3
Chinese 39-40	" " Historical Works	Mr. Chu	3-3
Chinese 41-42	" " Historical Works	Mr. Liu	3-3
Chinese 43-44	" " Historical Works	Mr. Cheng	3-3
Chinese 45-46	Types of Chinese Literature A	Mr. Li	2-2
Chinese 47-48	Types of Chinese Literature B	Mr. Lin	2-2
Chinese 49-50	Types of Chinese Literature C	Mr. Chung	2-2
Chinese 51-52	Philosophical Works of Lao-tzu	Mr. Tu	2-2
Chinese 53-54	Philosophical Works of Chung-tzu	Mr. Li	3-3
Chinese 55-56	Philosophical Works of Hsun-tzu	Mr. Tu	3-3
Chinese 57-58	Philosophical Works of Mo-ti	Mr. Tu	3-3
Chinese 59-60	Philosophical Works of Huei-nan-tzu	Mr. Tu	2-2
Chinese 61-62	Philosophical Works of Han-fei-tzu		

Chinese 63-64	Philosophical Works of Shang-chun	Mr. Chu 4-4
Chinese 65-66	Philosophical Works	
Chinese 67-68	Philosophical Works of Sung and Yuan Dynasties	Mr. P'eng
Chinese 69-70	Chinese Philosophical Works of the Ming Dynasty	Mr. P'eng
Chinese 71-72	Bibliography	Mr. Kung 2-2
Chinese 73-74	Critical Study of Chinese Language	Mr. Kung 2-2
Chinese 75-76	Historical Writing A (Shih-Chi)	Mr. Liu 2-2
Chinese 77-78	Historical Writings B (Han-Hsu)	Mr. Liu 2-2
Chinese 79-80	Poetry of Han and Wei Dynasties	Mr. Lin 2-2
Chinese 81-82	Poetry since T'ang and Sung Dynasties	Mr. Lin 2-2
Chinese 83-84	Chinese Criticism	Mr. P'eng 2-2
Chinese 85-86	Archaeology	Mr. Ch'eng 2-2
Chinese 87-88	Archaeology	Mr. Graham 2-2
Chinese 89-90	History of International Relations between China and Western Nations	Mr. Cheng 3-3
Chinese 91-92	Chinese Fairy Stories	Mr. Cheng 2-2

Note: The credits are based upon one hour per week per term equalling one credit.

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The Department of Western Languages

Comprising

I. The Division of Languages (English, French, German)

II. The Division of English Literature

Full time Staff:

Moncrieff, Jesse Edwin,	Chairman of the Department
Streeter, Mary E.,	Head of the Division of English Literature
Kennard, J. Spencer,	English, French
Kennard, May F.,	English
Phelps, Dryden	English

Part time Staff:

Downer, Sara Boddie,	English
Fosnot, Pearl,	English
Foster, B. Louise,	English
Lindsay, Alice,	English
Mullett, Pearl,	English
Smalley, Frank,	German
Smalley, Nellie,	English
Thexton, Annie,	English
Weiss, Ruth,	German
Willmott, Katherine,	English
Yuan, Germaine,	French

The Department of Western Languages offers courses with the following aims:

1. To increase the student's facility in the use of oral and written English (or German, or French), especially developing to the point of enjoyment his ability to read the foreign language.

2. To impart to the student some knowledge and appreciation of the history, culture and literature of the country whose language is studied. And, in the case of English,

3. To co-operate with the Department of Education in training teachers of English.

Department Regulations.

1. Students will be graded according to their general ability to understand and use English (or French, or German), as well as upon the subject matter of the various courses offered.

2. English 11-12, 13-14, and 15-16 are required of all first-year students. Either English 21-22 or 23-24, together with English 31-32, must be taken by all candidates for graduation in Arts.

3. Students wishing to take a Major course in the Division of English Literature must have made a grade of at least 70% in each of the English courses of the first year (11-12, 13-14, and 15-16), and must have made an average grade in these courses of at least 75%.

4. (a) Arts students who have made an average grade of at least 75% in first-year English courses (11-12, 13-14, and 15-16), are eligible for the course in Rhetoric (23-24) the second year. (b) All other students must take the course in Composition (21-22). (c) Students taking a Major course in the Division of English Literature must take the course in Rhetoric (23-24) in their second year.

5. Students who fail to maintain an average grade of 75% in their English courses the second year may not continue to take their Major course in the Division of English Literature.

6. All courses in English Literature are open to students taking a Minor course in English Literature. No student may be admitted to a Minor in English Literature who has not made an average of at least 70% in first-year English courses.

7. With the exception of the course in Elizabethan Drama (53-54), and the course in the History of English Literature (91-92), all advanced courses are open to students in other departments in their third and fourth years who have made an average of at least 70% in first and second year English courses.

8. Full credit can be allowed for French 1-2 only when French 4-4 is also taken, and for German 1-2 only when German 3-4 is also taken.

Course of study for students majoring in the Division of English Literature.

First Year:

The Common Freshman Year for all students in Arts. 39

Second Year:

Studies common to the Second Year in Arts 23
Divisional Requirements as follows:

(a)	English Bible as Literature (Eng. 98)	3
	Expository English (Eng. 33-34)	4
	Modern Drama (Eng. 51-52)	4
	Approved electives	5
	or	
(b)	English Bible as Literature (Eng. 98)	3
	Choice of English 33-34 or Eng. 51-52	4
	Choice of French or German	6
	Approved electives	3
		16
		39

Third Year:

(1)	"Core" subjects in English Literature		20
(2)	English History		4
(3)	Electives in this Department (English, Literature or French or German)		
	or		
	Approved electives in the Department of Philosophy given in English		
	or		
	Approved electives in the Department of History, Political and Social Sciences given in English	6	
(4)	Other electives approved by the Division	8	18
			38

Fourth Year:

(1)	"Core" subjects in English Literature		20
(2)	Electives in this Department		
	or		
	Approved electives in the Department of Philosophy given in English		
	or		
	Approved electives in the Department of History, Political and Social Sciences given in English	6	
(3)	Other electives approved by the Division	6	12
			32
	Credits required for Graduation		148

The Division of English Literature.

Most of the courses in the Division of English Literature are offered in alternate years. (Some other English courses are given only in alternate years; these are listed with the English Literature courses)

In 1937-1938 the following courses are offered:

*English 25-26 Advanced Composition	2-2
*English 27-38 Current Prose	2-2
*English 41-42 The English Novel (Later Period)	3-3
*English 53-54 Elizabethan Drama	3-3
English 63-64 Tennyson and Browning	2-2
English 93-94 Supervised Reading	2-2
English 65-66 Modern Poetry	2

In 1938-1939 the following courses are to be offered:

*English 35-36 The English Essayists	2-2
*English 43-44 The English Novel (Earlier Period)	3-3
*English 91-93 History of English Literature	3-3
*English 61-62 Nineteenth Century Poets	2-2
English 71 The Teaching of English (Autumn term only)	2
English 72 Phonetics and Pronunciation (Spring term only)	2
English 93-94 Supervised Reading	2-2
English 97-98 Readings in the English New Testament with parallel readings in Chinese	1-1

The first four courses listed for each year (those marked with a star) form the "core" subjects in the Division of

English Literature; they represent the minimum requirement of a major course in English Literature.

The number of lectures a week, unless otherwise indicated, is the same as the number of credits given per term.

Courses in the Department of Western Languages

English 11-12 First Year English Prose 1½-1½
Required: I, all departments.
Lectures: 3 hours a week throughout the year.

English 13-14 First Year Composition 1-1
Required: I, all departments.
Lectures: 2 hours a week throughout the year.

English 15-16 First Year Oral English 1-1
Required: I, all departments.
Lectures: 2 hours a week throughout the year.

English 21-22 Second Year English Composition 2-2
Prerequisite: English 13-14.
Required: II, all departments, except those taking English 23-24.
Lectures: 3 hours a week throughout the year.

English 23-24: Rhetoric and Composition 2-2
Prerequisite: English 13-14
Required: II, Division of English Literature.
Elective: Other students in the College of Arts who have maintained an average of at least 75% in first year English courses.
Lectures: 3 hours a week throughout the year.

English 25-26: Advanced Composition 2-2
Prerequisite: English 23-24
Required: III, IV, Division of English Literature.
Elective: Other qualified students in III or IV.
Offered in 1937-1938

English 31-32 Modern Essays and Other Prose 3-3
Prerequisite: English 11-12.
Required: II, all departments.
Lectures: 3 hours a week throughout the year.

English 33-34: Expository English 2-2
A reading course with emphasis upon extensive and analytic reading, note taking, the collection and organization of materials, written and oral reports.
Required: II, Division of English Literature, except those taking English 51-52.
Elective: II, III, other qualified students.

English 35-36: English Essayists 2-2
Required: III, IV, Division of English Literature.
Elective: III, IV, other qualified students
To be offered in 1938-1989.

English 37-38: Current Prose 2-2
Required: III, IV, Division of English Literature.
Elective: III, IV, other qualified students.
Offered in 1937-1938.

English 41-42: The English Novel (Earlier Period) 3-3
Required: III, IV, Division of English Literature.
Elective: III, IV. other qualified students.
Offered in 1937-1938.

English 43-44: The English Novel (Later Period) 3-3
Required: III, IV, Division of English Literature.
Elective: III, IV, other qualified students.
To be offered in 1938-1939.

English 51-52 Modern Drama 2-2
Required: II, Division of English Literature, except those taking English 33-34.
Elective: II, III, other qualified students.

English 53-54 Elizabethan Drama 3-3
Required: III, IV, Division of English Literature.
Note: This course is open only to students taking a major course in English Literature.
Offered in 1937-1938.

English 61-62 Nineteenth Century Poets 2-2
Required: III, IV, Division of English Literature.

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Elective: III, IV, other qualified students.
To be offered in 1938-1939.

English 63-64 Tennyson and Browning 2-2
Elective: III, IV.
Offered in 1937-1938.

English 65-66 Modern Poetry 2-2
Elective: III, IV.
To be offered in 1938-1939.

English 71 The Teaching of English 2
Elective: III, IV. (Autumn term only.)

English 72 Phonetics and Pronunciation 2
Elective: III, IV. (Spring term only.)

English 81-82 English for Third Year Medical Students 3-3
A course in general reading.

English 91-92 History of English Literature 3-3
Required: III, IV, Division of English Literature.
Note: This course is open only to students taking a major course in English Literature.
To be offered in 1938-1939.

English 93-94 Supervised Reading Course 2-2
A reading course mapped out to meet the needs of individual students. No class work, but fortnightly conferences with the instructor will be required, and written reports may be called for from time to time. This course may be taken for credit two years in succession.
Elective: III, IV.

English 95-96 Reading in the English New Testament with parallel readings in Chinese. 1-1
Elective: III, IV.
To be offered in 1938-1939.

English 98 English Bible as Literature 3
Required: II, Division of English Literature.
Elective: II, III, IV.
(Given in the Spring term only.)

French 1-2 Elementary French 3-3
Full credit is given only when French 3-4 is taken.
Elective: II, III, IV.

French 3-4 Readings in French 3-3
Elective: III, IV.

German 1-2 Elementary German 3-3
Full credit is given only when German 3-4 is taken.
Elective: III, IV.

THE DEPARTMENT OF PHILOSOPHY EDUCATION AND FINE ARTS.

Chairman of the Department:

I. The Division of Philosophy and Religion.

Full time Staff:

Fosnot, Pearl - - -	Head of the Division of Philosophy: Ethics
Smalley, Frank - -	Head of the Division of Religion: New Testament
Fu Bao-cheng - -	Education
Hansing, Ovidia - -	Logic and Psychology
Lo Chung-shu - - -	Philosophy
Phelps, Dryden - -	Biblical Literature
Simkin, Robert - -	Old Testament, Church History
Fu Bao-cheng - -	Education

Part time Staff:

Brown, Homer - -	Religion
Dickinson, Frank -	Rural Evangelism
Dsang, Lincoln - -	Rural Sociology, Comparative Religion
Fong, Shu-hsuan - -	Psychology
Hwang, Fan-kang -	Philosophy
Kennard, Spencer -	Religion
Sparling, George - -	Philosophy of Religion
Sung, Ch'eng-chih -	Religion
Walmsley, Lewis - -	Experimental Psychology
Wang, Chuin-hsien -	History, New Testament

*On Leave

Aim of the Division of Philosophy

The aim of the Division of Philosophy is to deepen the insight of the student facing the fundamental issues of life and of thought; to create a capacity for original thought and a constructive approach to the intellectual problems of to-day.

Aims of the Division of Religion

At the moment the primary concern of the Division of Religion is the provision of character-building courses which are calculated to help the student to become a law-abiding and peaceful citizen who is able to help society, and also courses which deal with the leading truths and the history of Christianity. All these courses are "Optional" in accordance with Government wishes.

The Division is prepared to consider the possibility of University Post-Graduate courses on the tutorial system. It aims to serve the Church in Szechwan through its *Extension Work*. Under this heading are:

Conferences and Retreats for Church Leaders
Special Summer Courses
Rural Evangelism
The establishment of a Social Service Centre

Divisional Regulations

1. Students majoring in Philosophy are required to take the following courses:

	Credits
History of Chinese Philosophy	6
History of Western Philosophy	6
Classical Chinese Philosophical Works	12
Classical Western Philosophical Works	12
Courses in Ethics, Logic, and Psychology	12

2. Students who are taking a minor course in Philosophy are required to take 20 credits in this Division. Courses chosen to meet individual needs will be selected under the supervision of the Head of the Division.

Description of Courses.

1. Philosophy in General.

	Credits
Philosophy 1-2 Introduction to Philosophy	2-2

An introduction to the subject of Philosophy through the study of its major problems.

Credits

Philosophy 3-4 Problems of Philosophy 2-2

A discussion of the vital problems in the field of Philosophy.

2. Logic.

Philosophy 12 Elementary Logic 2

This course is an introduction to Logic for general students. It emphasizes the practical application of reasoning; the use of induction and deduction in scientific thought.

Philosophy 13-14 Advanced Logic 2-2

A thorough study of the fundamental problems in Logic and a survey of logical theories.

Philosophy 15-16 Epistemology 2-2

A critical study of various theories of knowledge.
Prerequisite: History of Philosophy and Logic.

3. Ethics.

Philosophy 21-22 General Ethics 2-2

An introductory study of the major problems of Ethics.

Philosophy 25-26 Ethical Systems 2-2

A comprehensive study of the principal types of ethical theory and their influence in practical life.

4. Psychology.

Philosophy 31-32 General Psychology 2-2

A study of the principles of human behavior and the relation of psychological facts to everyday life.

Philosophy 33-34 (Ed. 13-14) Experimental Psychology 3-3

Philosophy 35-36 Social Psychology 2-2

A study of group behavior and man's adjustment to civilization.

Philosophy 39-40 Abnormal Psychology 2-2

A study of abnormal behavior and mental health.

5. Oriental Philosophy.

(See the Department of Chinese)

6. Occidental Philosophy.

Credits

Philosophy 61-62 History of Western Philosophy 3-3

This course traces the stages in the development of occidental thought from the early Greeks to the present.

Philosophy 65-66 Reading in Philosophy 2-2

A reading course in the writings of some ancient and contemporary philosophers.

Philosophy 67-68 Philosophy of Plato 2-2

An intensive study of Plato's Dialogues with special reference to the epistemological, metaphysical, and ethical problems of Plato.

Philosophy 60-70 Philosophy of Aristotle 2-2

A study of the works of Aristotle with special emphasis on his "Ethics."

Philosophy 71-72 Philosophy of Kant 2-2

Reading of the "Critique of Pure Reason" and selections from other writings of Kant.

New Testament.

Religion 1-2 New Testament Times in Palestine 1-1

The political and social changes in Palestine occasioned by Greek thought and Roman control. A background for Christian thought of the 1st Century.

Text: "A Hist. of New Testament Times in Palestine." Shailer Mathews.

Religion 3-4 (Engl. 95-96) English Readings in the New Testament with parallel Readings in Chinese. 1-1

Text: "Mandarin-English New Testament".

Religion 7-8 The Person and Principles of Jesus. 2-2

The Person of Jesus, following Forbush (1st term)
The Principles of Jesus, following Speer (2nd term)

Religion 9-10 The Ideal Society 2-2

Jesus' idea of the Kingdom of God, and its application to modern problems.

Credits

Religion 14-15 The Acts of the Apostles 1-1

Studied with special reference to the growth and expansion of the early Church, early Apostolic preaching and missionary methods, and also as a basis for an historical introduction to the Pauline Epistles.

Religion 17-18 General Introduction to the Epistles of the New Testament 2-2

Old Testament

Religion 41-42 History of the Hebrew People 2-2

A survey of the main features of the development of the political, social and religious life of the Hebrew people.

Religion 45-46 Hebrew Prophetic Leaders 2-2

How the Jewish religious leaders dealt with the political and social crises of their times. How this may help to solve similar problems today.

Christian Theology and Philosophy.

Religion 63-64 Christ and His Place in History 2-2

An outline of His life, His person, and His teachings.

Religion 65-66 Problems of Religion 1-1

An attempt to answer some of the modern problems connected with religion, and its relation to other knowledge.

Religion 73-74 The Relation of Science, Philosophy and Religion 2-2

Religion 81-82 Comparative Study of Religions 2-2

History

Religion 101-102 Historical Development of Christianity 2-2

The origin and growth of Christianity to the present, Its leaders, influence, and significance in history.

Credits

Religion 103-104 History of Christian Thought 2-2

The controlling religious conceptions of the Christian Church from its rise to the present. Lectures, Reading, and Class Discussions.

Religion 107-108 History of Christianity in China 2-2

The influence of Christianity on modern Chinese culture will be stressed.

Religion 109-110 History of Chinese Religious Experience 1-1

Ethics, Sociology, etc.

Religion 115-116 Character-Building Course. The Use of Life. 1-1

Text: "The Use of Life" Lord Avebury. Outlines will be available.

Religion 122 Christianity, Psychology, & Life 1-1

Religion 125-126 Psychology of Religion 1-1

Religion 151-152. Christian Ethics 2-2

The Christian Ideal in its relation to the individual and its application to society.

Religion 155-156 New Methods of Bible Study 1-1

Religion 157-158 The Devotional Study of the Bible 1-1

Religion 159-160 The Bible and the Problems of Life 2-2

Religion 171-172 (Eng. 97-98) The English Bible as Literature (2nd and 3rd year English Students and other Departments) 2-2

Religion 177-178 New Testament Greek 1-1

This course will be offered when there are a number of advanced students who are likely to derive benefit from it.

Religion 181-182 Rural Sociology 2-2

Religion 183-184 Christianity and Social Reconstruction 2-2

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II. Division of Education

Full time Staff:

(Liu Chih-chieh)	
	Secondary Education.
Fang Shu-hsuen	Psychology; Education

Part time Staff:

Chapman, B. B.	
Dye, Jane	Methods in Mathematics
Fosnot, Pearl	General Methods
Hansing, Ovidia	Educational Psychology
Li Ming-liang	Agriculture
Moncrieff, Jesse	Methods in English
Sen Lung-kung	Methods in Chinese
Walmsley, Lewis	Experimental Psychology

II Status

The Division of Education, for purposes of registration with the Government, is a Division of the Department of Philosophy, Education, and Fine Arts of the College of Arts.

III Aims

The aims of the Division are three-fold:

1. To train secondary school teachers.
2. To train administrators for schools and for administrative offices.
3. To train research workers in the field of Education.

IV Divisional Regulations.

1. Major Course in Education.
   - *a.* Majors in Education must finish the common Freshman course required of all first year students in Arts, and the required courses for second year Arts students.
   - *b.* The course for Majors in Education is as follows:

First Year

The Common course required of all first year students in Arts.

Second Year:

a.	The required courses for all second year students in Arts.		23
b.	The following courses in Education:		
	1. Introduction to Education	3	
	2. Educational Psychology	3	
	3. Class-room Management	2	
	4. General Methods	2-2	
c.	Content work in the Student's special subject	4	39

Third Year:

a.	Methods of Teaching Chinese Language	3	
	Methods of Teaching English	3	
	Methods of Teaching Mathematics	3	
	Methods of Teaching the Social Sciences	3	
	Methods of Teaching Natural Sciences	3	
	Methods of Teaching Fine Arts, Hand Work, and Athletics.	3	
	(one or two courses may be chosen from the above Methods courses.)		
b.	History of Education	2	
c.	Administration and Supervision of Elementary Schools	2-2	
	or		
	Secondary School Problems	2-2	
d.	Experimental Education	2-2	
	or		
	Experimental Psychology	2-2	
e.	Educational Tests and Statistics	2	
f.	French, German, or Japanese	3-3	38

Fourth Year:

a.	Philosophy of Education	2	
b.	Supervision of Instruction	2-2	
c.	Senior Thesis	2	
d.	Practice Teaching	2	
e.	French, German, or Japanese	3-3	10

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Majors in Education are required to take 2 additional Courses in 2 or 3 other subjects for teaching materials. These credits are distributed as follows:

Chinese		36 or 18	
English		36 or 18	
History and Sociology:	History		18
	Sociology		18
Philosophy and Fine Arts:	Philosophy		18
and Education:	Education	18 - -	18
	Fine Arts		18
Mathematics and Physics:	Mathematics		36
	Physics		18
Natural Sciences:	Biology		18
	Chemistry		18
	Agriculture		18
			22
Total Required for Graduation			148

Note: This distribution is based on the amount of material required in Middle Schools.

These courses should be chosen in consultation with the Head of the Division of Education.

2. Those who major in Education must have two or three minor subjects for teaching materials.
3. Besides the common course required of all first year students in Arts, the required courses for second year students in Arts, the credits in the major course, and the credits in the two or three minor courses (necessary for teaching material), students may elect some courses in either the College of Science or the College of Arts.
4. Majors in Education are granted a first-class diploma in Education upon the completion of the required work. Students in the College of Arts or in the College of Science may take a minor course in Education. Upon the completion of the credits required for a minor in Education, a second class diploma will be granted to minor students in Education.
5. Minor Course in Education:

SECOND YEAR:

a.	Introduction to Education	3 credits
b.	Educational Psychology	3 "

c.	General Methods	2-2
d.	Class-room Management	2

THIRD YEAR:

a.	Methods of Teaching Chinese Language	3
	Methods of Teaching English	3
	Methods of Teaching Mathematics	3
	Methods of Teaching the Social Sciences	3
	Methods of Teaching the Natural Sciences	3
	Methods of Teaching Fine Arts, Hand Work, and Athletics.	
	(One or two courses may be chosen from the above Methods courses.)	
b.	Practice Teaching	2
c.	French, German or Japanese	3-3

FOURTH YEAR:

a.	Administration and Supervision of Elementary Schools. or	2-2
	Secondary School Problems.	2-2
b.	Practice Teaching	2
c.	French, German or Japanese	3-3

6. Students must finish a total of 148 Credits. A Senior Thesis is required.

PRACTICAL WORK

Aside from academic work, students in Education are required to have some experience in Administrative, Extra-curricular, and Community work. The following is an outline of the requirements:

A. In Administration of Affiliated Schools:

a.	Reports to the Educational Bureau	5
b.	The management of all records for a time	5
c.	Associate Proctor of a class for a month	5
d.	Associate Proctor of the Dormitory for a month.	5
e.	Dean of Studies	5
f.	Acting as Treasurer of the School	5
g.	Dean of Discipline	
	etc.	

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B. Extra-Curricular Activities:

a. Associate in the management of intellectual activities, debates, lectures, school and class papers, etc. 5

b. Associate in the management of social activities, entertainments, excursions, visits to schools and other institutions, receptions, etc. 5

c. Associate in the management of athletic and health activities—athletic meets, games, races, physical examinations, etc. 5

d. Associate in religious and civic activities—Sunday School, Sunday Services, Weekly and Morning Assemblies, and Self-government clubs, etc. 5

e. Management of vocational activities—co-operative movements, agricultural projects, etc.
etc.

C. Work in the Community:

a. Assist in the management of a local Mass Education project 5

b. Help organize or manage some social welfare projects, meetings for parents, etc. 5

c. Help manage some athletic or health project for the community, e.g. vaccinations, free clinics, anti-fly campaign 5

d. Help carry through some religious or moral project—a Boys' or Girls' camp, Girl Guides or Boy Scout work. 5

e. Participate in some co-operative movement, etc.

Distinctly satisfactory work in any of the above activities entitles the students to 5 points. A smaller number of points is given for less effective work. Students must undertake work in at least two lines under each of three groups, and must get at least six points in each group or a total of 12 points. In addition, reports and conferences with the supervisor will be required periodically.

Students must secure some of these points each term during the last three years.

The number of points earned will be decided by a committee.

VI Practice Schools.

The Faculty of Education is responsible for the Goucher Junior Middle School and in union with the Methodist Episcopal Women's Foreign Missionary Society manages the Dewey Kindergarten and Primary Schools. This allows for observation, practical work, and experimentation by both teachers and students of the Faculty in both secondary and primary school work.

VII List of Courses.

1. Theory:

Education 1. Principles of Education 3

The aim of this course is to present the fundamental principles that underlie modern education, and their application to teaching method, school management, and national problems.

Ed. 2. Introduction to Education 3

A general review of the outstanding educational problems such as teachers, methods, curricula, administration, etc.

Ed. 3. Philosophy of Education 2

A discussion of the relations between society and the individual; a study of the significance of the aims of education, curriculum, and teaching methods, with a view to adapting educational practice to the present day situation.

Ed. 4. History of Western Education 3

This course will deal with the development of theory and practice of education in Europe and America, with a consideration of the educational systems in those lands.

Ed. 5. History of Modern Western Education 2

A study of Western education from the 18th Century to the present.

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Ed. 6. History of Chinese Education 2

A discussion of the development of public and private education in China.

Ed. 7. Comparative Education 2

This course will consist of a critical study of modern education in foreign countries, and the relation between the social ideals of nations and their educational systems.

2. Psychology:

Ed. 11. Child and Adolescent Psychology 3

This course will involve a study of the instincts and habits of the emotional and intellectual life of the individual through childhood and adolescence. Emphasis will be given to practical pedagogical problems.

Ed. 12. Educational Psychology 3

This course will take up man's equipment of instincts and capacities, the capacity to learn, the psychology of the learning process, factors and conditions of improvement, individual differences and their causes, and like subjects.

Ed. 13-14. Experimental Psychology 2-2

This course aims to give the student a working acquaintance with the technic of psychological experimentation. He will be required to set up experiments, and to observe and record results.

Ed. 15. Experimental Education 2-2

This course aims to apply the experimental method to the study of practical problems in education, and to relate the findings of the laboratory to actual conditions.

Ed. 16. Educational Measurements. 3

A discussion of the history of educational measurements and the method of devising and conducting measurements.

Ed. 17. The new Psychology and Education 3

3. Administration:

Ed. 21-22. Administration and Supervision of Elementary Schools 2-2

This course will deal with the practical problems of

Primary Schools, the qualifications of principals and teachers, time-tables and general class management.

Ed. 23-24. Secondary School Problems 2-2

This course will deal with the principles of secondary school administration, and with the practical problems of Middle School curriculum, the qualifications and duties of principals and teachers, the management of dormitories, extracurricular activities, student organizations, etc.

Ed. 25-26. Supervision of Instruction 2-2

A discussion of the organization and principles of supervision, and devices for the improvement of teaching.

Ed. 27. Educational Tests and Statistics. 3

This course covers the theoretical and practical aspects of statistical methods as applied to the field of education.

Ed. 28. School Hygiene 2

This course will deal with problems of students' health and school sanitation.

4. Methods:

Ed. 31-32 General Methods 2-2

This course includes a consideration of the principles of teaching and their application. It will include observation of and practice in teaching.

Ed. 33. The Teaching of Chinese Language. 3

Methods and problems of teaching Chinese in Middle Schools will be taken up; selection and organization of materials will also be included, observation and practice.

Ed. 34. The Teaching of Mathematics 3

A consideration of the problems peculiar to the teaching of mathematics in Middle Schools; the nature and value of Mathematics with their pedagogic bearings; a critical review of courses and methods of teaching.

Ed. 35. The Teaching of the Social Sciences. 3

A review of the subject matter of history, geography, and political science with the arrangement of materials and method best adapted to Middle School teaching.

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Ed. 36. The Teaching of English 3

Methods and problems of teaching English in Middle Schools with special training in the phonetic method.

Ed. 37. The Teaching of the Natural Sciences 3

A brief review of the text-books in Physics, Chemistry, and Biology for Middle Schools, and a consideration of the required equipment and of methods of presentation.

Ed. 38. The Teaching of Fine Arts, Hand Work, and Athletics 3

Ed. 39. Practice Teaching 2

48 hours of practice teaching under supervision and conferences with the supervisor will be required.

5. Other Elective Courses:

Ed. 68. Use of Current Literature 2

A discussion of important articles appearing in current educational magazines.

Ed. 69. Educational Sociology 3

A study of the relation of the school to the community and to social progress. Methods will be given as to how the school may better co-operate with the parents and function as a social center.

Ed. 70. Vocational Education 2

A discussion of the principles underlying vocational guidance, and the relation between general and vocational education.

Ed. 72. Secondary School Curriculum 3

This course will take up the principles of secondary school curriculum making, and apply them to the schools of China of the present day.

Ed. 73. Methods in Moral Education 3

This is a course for all students who are interested in investigating present day materials and methods. Some of the methods stressed will be projects, the use of stories for children, and discussion and research for young people.

III. The Division of Fine Arts

Anderson, Eleanor Waverley	Head of the Division
†Agnew, Robert Gordon	Voice
Downer, Sara Boddie	Organ, Piano
Loh, Lucy	Organ, Piano, Harmony
Moncrieff, Virginia	Piano, History of Music, Teacher Training
*Morse, Anna	Painting and Designing
Phelps, Margaret	Voice, Piano
Smalley, Nellie	Violin
Stockwell, Esther	Piano
Sung Shu-hsiu	Organ
*Ward, Annie	Piano
*Wilford, Claudia	Organ, Piano

*On furlough

The Division of Fine Arts has as its aims:

1. The enrichment of life through the cultivation of the aesthetic sense.

2. The preparation of students as teachers of music and art in schools and as leaders of church music.

3. The bringing to students of a knowledge and appreciation of Western art and music in the hope that they will further study and develop their own Chinese Arts.

The Division seeks to attain these aims not only through prescribed courses but also by contributions to the entire student community through student recitals, through an annual Faculty Concert, through an annual Art Exhibit, and through furnishing music and artistic settings for special services, such as Easter and Christmas.

Divisional Regulations

1. Students wishing to study music must take either the Preparatory Course or its equivalent.

2. Entering advanced students must take an examination to show which year they are fit to enter.

3. Any student who fails to comply with the requirements about practice, or whose work is not up to standard may be discontinued at the discretion of the Committee.

4. The courses given in Fine Arts may be elected by students of any faculty. Students not in the College of Arts may not elect more than two music courses in one year.

5. Students wishing to minor in music (20 credits) are required to take 12 credits in theoretical subjects and 8 or more credits in practical subjects.

6. Special students in music must comply with University regulations.

Fees

Special fees are required for all music courses. These fees are to be paid in full at the beginning of each term when the student registers with the Registrar of the Division.

1. Organ and Piano: $6 per year each course.
2. Violin: $2 per year for each course.

   Violins may be hired from the Department for $5 per year. The cost of strings and repairs will be borne by the student hiring the violin.
3. Voice: $2 per year.

Extension Courses

Students in these courses, in addition to the regular fees as outlined above, pay a registration fee of $3 to the Registrar of the Division.

Students using music books belonging to the Division are required to make a deposit of $5 per year. This sum will be returned at the end of the year provided that all the music has been returned.

COURSES IN FINE ARTS

1. Music-Instrumental

Music 1-2 Preliminary course for beginners — No credit
One class per week. Daily practice.

Music 3-4 Organ 1 — 1½-1½
One lesson per week
One period daily practice

Music 5-6 Organ 2 — 1½-1½
One lesson per week
One period daily practice

Music 7-8 Organ 3 — 2-2
One individual lesson per week
One period daily practice

Music 15-16 Piano 1 — 1½-1½
Piano 1 One lesson per week
One period daily practice

Music 17-18 Piano 2 — 1½-1½
One lesson per week
One period daily practice

Music 19-20 Piano 3 — 2-2
One individual lesson per week
One period daily practice

Music 21-22 Piano 4 Advanced work — 3-3
One individual lesson per week
One and a half hours daily practice

Music 25-26 Violin 1 — 1½-1½
Students must first pass a test
One class per week
Half hour daily practice

Music 27-28 Violin 2 — 2-2
One lesson per week
One period daily practice

2. Music-Vocal

Music 31-32 First year 1-1
One class weekly
Fifteen minutes daily practice

Music 33-34 Second year 1½-1½
One lesson weekly
Half hour daily practice

Music 35-36 Third year 2-2
One lesson weekly (Individual)
Half hour daily practice

3. Music-Choral

Music 41-42 Choral Society 1-1
Membership is open to men and women who pass the required voice test and have an adequate knowledge of music.
One class weekly
Fifteen minutes daily practice

Music 43-44 University Sunday Choir Practice 1-1
once a week.

Note: To those students on whose courses a credit in music is not applicable a certificate will be allowed and issued covering the period of their music studies.

4. Music-Theory

Music 45-46 History of Music 2-2
A general survey of the growth of Western music including brief biographies of famous musicians
Two hours weekly
(All music students are advised to take this course at some time in their studies.)

Music 49-50 Theory and Elementary Harmony 1-1
Intervals, Chords, cadences, modulations, etc.
One hour weekly throughout the year.

(This course is required of all music students during either their first or second year.)

Music 51-52 Harmony and Composition 1-1
One hour weekly throughout the year.

Music 53-54 Ear Training (One term) 1-1
Theory of Sound and Study of Instruments
One hour weekly.

Music 55-56 Musical Form and Appreciation 1-1
One hour weekly throughout the year.

Note: The above named classes are all required for a minor in Music. They may be elected by students taking other courses.

A class in Normal Training will be arranged when there is a demand for it.

Art

Art 1-2 Freehand Drawing, Composition, Perspective 1-1
Still life, flowers, landscape
Medium: pencil and watercolour.
Class work two hours a week throughout the year.

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THE DEPARTMENT OF HISTORY, POLITICAL AND SOCIAL SCIENCES

comprising

I. The Division of History and Political Science

II. The Division of Sociology and Economics

Full time Staff:

Smalley, Frank A.	Chairman of the Department Head of Division I History and Political Science
Shen Ssu-chuang	Head of Division II Sociology and Economics
*Robertson, Harold D.	History
Smalley, Nellie	History & Political Science

Part time Staff:

Chapman, B. B.	Geography
Chiang Wen-kang	Sociology & Political Science
Chu Shao-pin	Chinese History
Dsang, Lin-kao	President of University, Sociology
Graham, David C.	Social Anthropology
Hansing, Ovidia	Social Psychology
Kennard, Spencer	Sociology
Li Min-liang	Rural Sociology & Agricultural Knowledge
Liu Li Hsien	History & Geography
T'ang Yuin Fu	Cooperative Movements, Economics
Yang Yü Tzu	Social Science, Statistics & Accounting

*On leave

The Aims of the Department are as Follows:

1. To enable students to acquire historical insight into national and world-wide political and cultural movements, and to gain an understanding of the problems of modern economic, political, and social life.

2. To produce well-trained men and women who are capable of directing and taking part in the new movements in China in connection with the national programme for social and economic reconstruction. The students will participate in such work as rural reconstruction, social surveys, cooperative enterprises, public welfare projects, and other forms of public social service.

3. To assist in the preparation of students for the teaching of History and Civics in the Middle Schools.

Due emphasis will be placed on both teaching and research, and the academic studies will be connected as closely as possible with the practical undertakings of the local Bureau of Reconstruction.

Departmental Regulations.

1. Students wishing to take a Major course in this Department must have made a grade of at least 70% in each of the courses History, Sociology, and Economics of the first year, and must have made an average grade in these courses of at least 75%.

2. Students who fail to maintain an average grade of 75% in the fundamental courses of the Department in the second year or who exhibit a lack of public spirit may not continue to take their major course in this Department.

3. All courses of the Department are open to students of other Departments provided that they have made a grade of at least 70% in the courses offered by this Department in the common freshman year.

4. Some of the hours offered for elective courses may have to be given up to field work. In any case students are to seek the advice of the Divisional Heads before making their decisions on elective courses.

5. Lectures will not be given to classes having less than five students.

Post Graduate Diploma Course.

A course of one year's duration, consisting of supervised reading, field work, attendance at certain lectures, and some research work with Thesis, is offered for accredited university graduates.

The course of study will be arranged by the Head of the Department and of the Division concerned in consultation with the Dean, according to the student's major interests and qualifications.

Course of Study

First Year

The Common Freshman Year for all Arts students			39

Second Year

1.	Studies common to the second year in Arts		23	
2.	Departmental Requirements:			
	History of World Civilization	4		
	Social Survey (Spring Term)	2		
	Statistics	4		
3.	Electives, Departmental & General	6	16	39

Third Year

1.	Urban Sociology (Spring)	2	
2.	Rural Sociology (Fall)	2	
3.	Cooperative Movements	4	
4.	History of the Nineteenth Century		
	or	4	
	China and International Relations		
5.	Political Philosophy		
	or	4	
	The Forms & Functions of Government		
6.	Cultural Anthropology (Autumn)	3	
7.	Rural Economics (Spring)	3	
8.	German, French, or Japanese	6	
9.	Electives	10	38

Fourth Year

1.	Applied Sociology	4	
2.	History of Chinese Economic Thought	4	
3.	China & International Relations		
	or	4	
	History of the Nineteenth Century		

4.	Forms & Functions of Government		
	or		
	Political Philosophy	4	
5.	German, French, or Japanese	6	
6.	Social Psychology	4	
7.	Supervised Study	2	
8.	Electives	4	32

For the year 1937-8 students of 2nd, 3rd, & 4th years are to take the course on "War-time Economics" (2 hrs. for one term) in accordance with Government instructions.

DESCRIPTION OF COURSES

I. Division of History and Political Science

A. History:

(1) China and the East

History 2.	History of China during the Last Century	3
History 3-4	A study of Chinese Social History	2-2
History 7-8.	History of Chinese Civilization Required: Second Year of Arts if Chinese Literature has not been elected	2-2
History 9-10.	History of China in Sung and Yüan Dynasties	4-4
History 11-12.	History of Chin Dynasty	3-3
History 13-14.	Supervised Study in Chinese History	4-4
History 15-16.	History of the Yüan Dynasty	2
History 23-24.	History of Modern Japan	2-2
History 25-26.	Relations between China and Russia	2-2
History 27-28.	History of Oriental Nations	3-3
History 31-32.	China and International Relations	2-2

(2) General

History 41-42.	Introduction to History	2-2
History 43-44.	Historical Method	2-2
History 45-46.	History of World Civilization: Required 2nd year in this Department	2-2
History 47-48.	History of England: Required 2nd year English Literature	2-2
History 51-52.	World History of the Last Century: Required Freshman Year in Arts	2-2
History 53-54.	History of the Nineteenth Century	
History 55-56.	History since the European War	3
History 57-58.	Current Events	1-1

B. Geography:

Geography 1-2.	Human Geography (Spring)	3

C. Political Sciences:

Politics 1-2.	Introduction to Political Science (Fall term): Required Second year in Arts	3
Politics 3-4.	Forms and Functions of Government	2-2
Politics 5-6.	Political Philosophy	2-2
Politics 7.	Civil Laws (Full term)	2
Politics 8.	Penal Laws (Spring term)	2

II. Division of Sociology and Economics

A. Sociology:

Sociology 1.	Principles of Sociology (Fall term): Required First year of Arts. (3 hours per week for one term)	3
Sociology 3.	Social Survey (Fall term) Required: Second year in this department.	2
Sociology 5.	Urban Sociology (Spring term)	3
Sociology 6.	Rural Sociology (Fall term)	3
Sociology 7-8.	Applied Sociology	2-2
Sociology 9-10.	Sociology of the West China Border	2-2
Sociology 11-19.	Statistics and Accounting	2-2
Sociology 13-14.	Population	2-2
Sociology 15-16.	Social Ethics	2-2
Sociology 17-18.	History of Social Thought	2-2
Sociology 19.	Social Anthropology (One term)	3
Sociology 21-22.	Social Psychology	2-2
Sociology 23-24.	General Knowledge of Agriculture	2-2
Sociology 25-26.	Problems of Rural Sociology. (Specially arranged for Medical students)	2-2

B. Economics:

Economics 1.	Principles of Economics (Spring term): Required First year in Arts	3
Economics 3-4.	History of Chinese Economic Thought	3-3
Economics 5-6.	Co-operative Movement	3-3
Economics 7-8.	Public Finance	2-2
Economics 9-10.	Rural Economics	2-2
Economics 11-12.	Current Economic Problems in China	2-2
Economics 1-3.	War-time Economics (Unless otherwise indicated the number of credits is the same as the number of hours per week per term)	2

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COLLEGE OF SCIENCE

Faculty.

Dean of the College: - - D.S. Dye 戴謙和
Heads of Departments:
Biology - - - - Chang Min-chuin 張明俊
Chemistry - - - R. C. Spooner 陳普儀
Mathematics-Physics: - Chang Hsiao-li 張孝禮
Pharmacy - - - *E. N. Meuser 米玉士
Li Hsin-lung, Acting-Head.

Chang Hsiao-li, 張孝禮 B. S., West China, M.A. Toronto, Associate Professor, Mathematics.

Chang Min-chuin, 張明俊 B.A., West China, M.Sc. Yenching. Professor, Biology.

Cheo Yuen-wen, 周允文 B.S., West China. Senior Instructor, Physics.

*Collier, H. Bruce, 柯理爾 M.A., Ph.D., Toronto. Associate Professor, Biochemistry.

Dickinson, Frank, 丁克生 B.A., Mt. Allison, M.Sc., Cornell, Professor, Rural Sociology.

Downer, Sara Boddie, 德樂爾 B.A., Mt. Holyoke, M.A., California. Associate Professor, Physics.

Dye, Daniel Sheets, 戴謙和 B.S., M.A., Cornell, Professor, Physics.

Dye, Jane Balderston, 戴謙和夫人 M.A., Columbia, Associate Professor, Mathematics.

*Ho Wen-chuin, 何文俊 B.S., West China., M.A., Yenching. Associate Professor, Biology.

Hsiao Ni-chu, 蕭義菊 B.S., West China, Instructor, Chemistry.

Hsieh Chen-k'o, 謝成科 B.S. (P), West China. Instructor, Pharmacy.

Hsu Yung-kwang, 徐容光 B.Sc., Yenching. Instructor, Tanning.

Kao Yoh-lin, 高毓靈 B.S., West China, M.S., Yenching. Associate Professor, Chemistry.

Lan T'ien-ho, 藍天鶴 B.S., Yenching, Senior Instructor Chemistry.

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Li Hsin-lung, 李興隆 B S. (P), West China. Instructor, Pharmacy.

Li Min-liang, 李明良 B.A., West China. B.Sc., Nanking, Senior Instructor, Biology.

*Meuser, Edwin N., 米玉士 Phm.B., Toronto, Pharm.D., Pennsylvania. Professor, Pharmacy.

*P'en Jung-hwa, 彭榮華 B.S., Instructor, Biology.

P'en Ta-shih, 彭達詩 B.S., Instructor, Biology.

Sewell, William Gawan, 徐維理 M.Sc., Leeds, A.I.C., Professor, Chemistry.

Shih Ru-t'song, 施汝聰 Lecturer, Chemistry.

Spooner, Roy C., 陳普儀 B.A., M.A., Toronto. Associate Professor, Chemistry.

Wang T'ieh-ren, 王廸人 B.S., West China. Instructor, Physics.

Wu Kueh-chang, 吳國章 B.S., West China, M.Sc., Yenching. Associate Professor, Physics and Mathematics.

Part-time:

Gi Gan-chen, 紀幹晟 W. China, Lecturer, Pharmacy.

Kung Tuan-chang, 龔端讓 B.S., Yenching. Instructor, Biology.

Lo Ch'i-yuin, 駱啓榮 Lecturer, Biology.

Reeves, Cora D., 黎富思 Ph.D., Visiting Professor, Biology.

Sewell, Hilda Guy, 徐維理夫人 B.Sc., Leeds. Lecturer, Biology.

Wang Hwan-hsin, 王煥新 Assistant, Chemistry.

Wang Cheng-kuan, 汪正琯 B.S., West China, Instructor, Biology.

From other Faculties:

Crawford, Walter, 高文明

Foster, B. Louise, 方瑞芝

Feng Da-rang 馮大然

Kilborn, L.G., 啓眞道

*Lenox, John E. 冷樂施

Pen, Dze-fu 彭子富

Regulations.

(1) The work of the College of Science is organized under four departments; Biology, Chemistry, Physics & Mathematics, Pharmacy.

(2) In addition to offering all students of the University a general knowledge of the physical and natural sciences, the College provides for a certain specialization in each of the departments, and prepares students for the study of Medicine and Dentistry according to the government regulations for medical students.

(3) Students desiring to register in the College of Science must obtain high grades in entrance examinations in science subjects.

(4) Students desiring to enter any particular Department must obtain a good average in the subject offered by that Department during the first year, and show an aptitude that reveals ability to profit by the course before being accepted by the Department.

(5) No student is permitted to take an examination or supplementary examination in any subject until he has finished his laboratory work in that course.

(6) No student whose marks are below 40% in the regular examination is permitted to take a supplementary examination.

(7) A student may take but one supplemental examination in any subject.

(8) A failure in two of the major subjects disqualifies a student from promotion.

(9) First year students alone have the privilege of taking more than one supplemental examination.

(10) A student failing in any subject must take the supplementary examination the following year.

(11) The penalty of failure to make up supplemental examinations is discontinuance in the College.

(12) Any student who discontinues study for more than one year must take examinations to re-enter the College of Science.

(13) No student in Science is allowed to transfer from one Department to another after three weeks from the opening of the term.

(14) Students taking chemistry laboratory courses must pay a non-returnable fee of $1.00 per term.

(15) In the Department of Chemistry, where department keys are used by the students a locker key deposit of $1.00 must be paid.

(16) Students taking courses in Biology, Chemistry, Physics and Pharmacy must pay to the bursar a breakage deposit of $5.00 which is returnable if nothing has been broken. However in cases where breakages exceed $5.00 students will be required to pay the full amount. Grades cannot be sent to the registrar until this has been paid.

Science Courses: Students in Science may elect to study in any one of the four departments. The course for the first year is the same for all students in the several departments of Science. The student should decide which department to elect before the beginning of the second year. The minimum requirement for graduation is a total of 146 credits, exclusive of Physical Training.

The curricula as outlined below are subject to addition, deletion, or other alteration at any time and without advance notice, at the discretion of the Faculty.

Such special regulations as may be made from time to time will be duly announced.

The degree of B.S., Bachelor of Science, or B. S. Pharm., will be given upon the satisfactory completion of the prescribed courses and an accepted thesis.

Common Course: The Common Course for all first year students in Science is outlined here, and it is not repeated under the outline of courses.

First Year Courses for all Science Students:

		Chinese culture	2		3
		Ethics	2		4
Eng.	3-4	English	5		8
Biol.	1-2	Biological Principles	2	6	8
Chem.	1-2	Inorganic Chemistry	2	6	8
Math.	1-2	Mathematics	4		6
Physical	1-2	General Physics	3	3	8
		Physical Training			
			20	15	45

Time Table for Common First Year in Science.

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-9	Biol. 1-2	Phys. 1-2	Phys. 1-2	Chinese	Biol. 1-2 or 3-4	Phys. 1-2
9-10	Chem. 1-2		Ethics	Chinese	Math. 1-2	Ethics.
10-11		Math. 1-2 or 3-4		Math. 1-2 or 3-4	Chem. 1-2	Math. 1-2 or 3-4
11-12	English	English	English	English	English	English
1-4	Biol. (A) Chem. (B)	Biol. (B) Chem. (A)	Phys. (A) Chem (B)	Biol. (A-B)	Phys. (B) Chem. (A)	

Second year Time Table for Medical-Dental Students in Science.

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-9	Physics 3-4		Physics 3-4	Biology 6	Physics 3-4	
9-10	Psychol.		Ethics		Psychol.	Ethics
10-11		Chinese Culture	Technical English			Chinese Culture
11-12	English 9-10	Organic Chemistry	English 9-10	English 9-10	Organic Chemistry	
1-4		Physics A. or Chemistry B	Biology 6	Physics B.	Chemistry A	

Department of Biology.

1. *Teaching Staff.*

Chang Min-chuin, M. Sc. Head of Department.
Dickinson, Frank, M.Sc.
*Ho Wen-chuin, M.Sc.
Kung Tuan-chang.
Li Min-liang, B.A., B.Sc.
Lo Ch'i-tsung.
*P'en Jung-hua, B.S.
P'en Ta-shi, B.Sc.

Part Time:
Reeves, Cora D., Ph.D.
Sewell, Hilda Guy, B.Sc.,
Wang Cheng-kuan.

II. Courses.

First Year: Common year. Credits 45.

Second Year:

Biology 6	General Botany	4
Biology 17	Invertebrate Zoology	4-
Chemistry 3-4	Organic Chemistry	4-3
Gen. Sc. 7	Geology	3-
Gen. Sc. 1-2	Orientation Course	1-1
Chinese Culture,		2-2
	Ethics	1-1
	Selected with head of Department	15
	Total credits	41

Third and Fourth Years:

The courses under groups A and C are required for students who major in Botany. Groups B and C are required for students who major in Zoology. The courses under groups A and D are required for students who register in Biology but who choose to major in Agricultural subjects. Students of other departments who minor in Biology are required to take thirty-two credits from the following groups:

A Group.

Biology	10	Plant Morphology	5
Biology	11	Systematic Botany	5-
Biology	14	Plant Physiology	5
Biology	12	Plant Ecology	3

B Group

Biology	19 20	Comparative Vertebrate Anatomy	2-2
Biology	21-22	Animal Histology	4-4
Biology	23-24	Animal Physiology	6-4
Biology	25	Systematic Zoology	4

C Group.

Biology	26	Embryology	3
Biology	27	Entomology	4
Biology	29	Genetics	3
Biology	33-34	Biological Technique	1-1
Biology	35-36	History of Biology	1-1
Biology	37-38	Journal Club	1-1
Biology	39-40	Research and Thesis	2-2

D Group.

Biology	29	Genetics	3
Biology	29	Genetics (Principles of Breeding)	3
Biology	26	Entomology	4
Biology	16	Plant Pathology	5
Biology	37-38	Journal Club	1-1
Biology	38-40	Research and Thesis	2-2
Agriculture		Field Practice	2-2

(Advanced Biological or Agricultural Courses to be selected with the Head of the Department.)

III Description of Courses.

Biology 1-2. General Biology.

A course planned to train the students in powers of observation and in scientific method. Emphasis is placed on laboratory work, and on practical application to everyday life wherever possible. It develops the fundamental principles of living organisms, their movements, organic structure and functions in plants and animals. Principles of genetics and evolution are discussed. The course is particularly adapted to students in medicine, dentistry and other science courses.

Text: Biological Principles, M. C. Chang; Foundations of Biology, Woodruff;
2 hrs. lecture, 6 hrs. lab. Credits 4-4

Biology 3-4. Human Biology.

An introduction to Biology for students in Arts, Sociology, Education, etc. Emphasizes economic relations of plants and animals to man, the origin and development of man, effect of population, alteration of environment by evolving processes of civilization.

Text: Human Biology and Racial Welfare, E. V. Cowdry; Educational Biology, Johnson; Man and the Nature of His Physical World, Jean, Harrah, & Herman.
2 hrs. lecture, 2 hrs. lab. Credits 3 3

Biology 6. General Botany.

A study of structure and functions of the various parts of lower and seed plants. Deals with physiological processes in living plants. The life-cycle and classification will be discussed. The laboratory work places certain emphasis upon medicinal plants.

Text: College Botany, H. H. Hu; Text-book of Botany, Smith; Textbook of Botany, Coulter, Barnes and Cowles.

A Text-book of Botany, Lowson; General Botany, Holman and Robbins.

2 hrs. lecture, 6 hrs. lab.

Biology 8. General Bacteriology.

Planned to give the fundamental facts concerning those bacteria which play a part in our daily life. The course includes a study of the history and development of bacteriology, classification and cultivation of bacteria. Pathogenic organisms are described in detail with emphasis on culture and stain methods.

Reference Book: Household Bacteriology, Buchanan; Practical Bacteriology, Chiang Po Mon.

Pre-requisite: Biology 1-2.

2 hrs. lecture, 4 hrs. lab.

Biology 10. Plant Morphology.

A study of the structure and functions of various cells and tissues in plants, with practical work in dissecting, fixing, staining, drawing.

Pre-requisite: Biology 6.

Reference Books:

1. Text-book of Botany, Coulter, Barnes and Cowles.
2. Structural Botany, Scott.
3. British Freshwater Algae, West and Fritsch.
4. The Structure and Development of the Fungi, Gwynne-Vaughan and Barnes:
5. Mosses and Ferns, Campbell.

2 hrs. lecture, 6 hrs. lab. Credits 5

Biology 11. Systematic Botany.

An advanced course in the study of the fundamental classification, with emphasis on the seed plants of West China. Use will be made of the University herbarium of Szechwan plants.

Pre-requisite: Biology 10.

Reference Books:

1. The Flowering Plants of North China, J. C. Liu.
2. Families of Flowering Plants, Dicotyledon, Hutchinson.
3. Manual of Cultivated Plants, Bailey.
4. Manual of Cultivated Trees and Shrubs.
5. Taxonomy of the Flowering Plants, Johnson.

2 hrs. lecture, 6 hrs. lab. Credits 5

Biology 12. Plant Ecology.

An advanced course in the study of the structure, habitat and environmental effects of the plants. Emphasis is placed on the succession, formation of plant association and geographical distribution of the plants.

Text: Plant Ecology, Weaver.

Pre-requisite: Biology 10, 11, 14.

2 hrs. lecture, 2 hrs. lab. Credits 3

Biology 13. Fungi.

This course deals with the structure, development, evolution and identification of the true fungi, with emphasis on the collection and cultivation of the fungi in laboratory work.

Text: Genera of Fungi, Clements and Clements.

The Structure and Development of the Fungi, Gwynne-Vaughan and Barnes.

Manual of Plant Diseases, Heald.

Pre-requisite: Biology 10.

2 hrs. lecture, 4 hrs. lab. Credits 4

Biology 14. Plant Physiology.

An advanced course in the use and function of plant organs with emphasis on transpiration, photosynthesis, respiration, tropisms, and translocation of food. It deals with the structures of higher plants which enable them to fit into their environment, and their processes of food assimilation.

Text: Textbook of Botany, Coulter, Barnes and Cowles; Principles of Plant Physiology, Raber; Textbook

of Plant Physiology, MacDougal; Plant Physiology, Duggar.

Pre-requisite: Biology 10.

3 hrs. lecture, 6 hrs. lab. Credits 5

Biology 15. Economic Plants.

In this course it is the aim to familiarize the student with the special characteristics and classification of Szechwan plants with a view towards their culture and usefulness in the province. The laboratory material used in the course consists of local plant specimens of grain crops, fruit, nuts, medicinal timber, together with plants, shrubs, flowers and trees used for landscape art.

Text: Botany of Crop Plants, Robbins.

Pre-requisite: Biology 6.

2 hrs. lecture, 4 hrs. lab. Credits 4

Biology 16. Plant Pathology.

Planned to give one of the practical applications of science to living conditions, with special reference to agriculture. The course includes a technical study of the plant fungi from Schizomycetes to Basiomycetes, but lays particular emphasis on the plant diseases of economic crops and fruit trees. Methods of control are discussed and collections of common plant diseases are made by the students. Laboratory work includes study of the microscopic structure of the host as well as of the parasitic tissue. This course is valuable to all students who plan to work with farm people. Simpler methods of control can be taught to middle and primary school students.

Text: Plant Diseases, Duger; Fungi, Stevens; Minnesota Plant Diseases, Freeman; Principles of Plant Pathology, Owens.

Pre-requisite: Biology 10.

3 hrs. lecture, 4 hrs. lab. Credits 5

Biology 17. General Zoology.

This course follows the types from simple to complex in their taxonomic grouping, and includes a study of comparative structure of invertebrate and vertebrate animals, with emphasis upon evolutionary relationships and economic values.

Text: College Zoology, Hegner: lectures follow Dr. Wu's course in Yenching University.

Pre-requisite: Biology 1-2.

3 hrs lecture, 6 hrs. lab. Credits 6

Biology 19 or 20. Comparative Vertebrate Anatomy.

A study of the comparative anatomy of vertebrates. Emphasis is placed upon those features in mammals which throw light upon relationships.

Text: Comparative Anatomy of the Vertebrates, Kingsley; Biology of Vertebrates, Walter; A Laboratory Manual for Comparative Vertebrate Anatomy, Hymen; The Vertebrate Skeleton, Reynolds.

Pre-requisite: Biology 1-2.

2 hrs. lecture, 6 hrs. lab. Credits 4

Biology 21-22. Animal Histology.

A study of the cells, tissues and typical organs in the higher animals and in man. Largely a laboratory course with prepared slides. The course includes instruction in methods of fixing, sectioning, and staining.

Text: The Textbook of Histology, Lewis, translation by Shields.

Reference: Textbook of Histology, Maximow, Bloom.

Prerequisite: Biology 1-2, 6, 17 or 19.

2 hrs. lecture, 4 hrs. lab. Credits 4-4

Biology 23-24. Animal Physiology.

A study of general physiology in animals and in man. The course includes the functions of circulation, respiration, the mechanical factors of digestion, secretion, metabolism, endocrine organs, the physiology of neuromuscular tissue and of reproduction. This is designed to familiarize the student with experiments and principles in physiology.

Text: Handbook of Physiology, Halliburton (Chinese Edition); Laboratory Experiments in Physiology, Evans and Kilborn.

Prerequisite: Biology 21-22.

3 hrs. lecture, 6 hrs. lab. Credits 6-12

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Biology 25. Systematic Zoology.

In this course, it is the aim to familiarize the students with the phylogeny, special characteristics and classification of the different phyla of both invertebrate and vertebrate animals.

Reference books: Freshwater Biology, Ward and Whipple; Vertebrate Zoology, Newman: Text-book of Zoology, Parker and Haswell.

Prerequisite: Biology 17, 19, 27.

2 hrs. lecture, 6 hrs. lab. Credits 5

Biology 26. Embryology,

A study of general and experimental embryology dealing with maturation, fertilization, cleavage, germ layers and organ formation. Practical work includes careful study of transverse and saggital sections of the embryos of the amphioxus, fish, frog, chick and pig.

Text: Vertebrate Embryology, Shumway; A Textbook and Laboratory Manual of Embryology, Arey.

Prerequisite: Biology 21-22.

2 hrs. lecture, 2 hrs. lab. Credits 3

Biology 27. Entomology.

A study of the morphological characters of insects of the different orders, with emphasis on evolutionary relationships, life-history, economic importance and methods of control. This course is planned for students majoring in Biology, as well as for those desiring to do further work along agricultural lines.

Text: Introduction to Entomology, Comstock; Textbook of Entomology, Imms.

Prerequisite: Biology 17.

1 hr. lecture, 6 hrs. lab. Credits 4

Biology 28. Economic Entomology.

This course is of a very practical nature and is confined to a careful study of the principal injurious insects, with reference to their life-histories, identification and means of control. It is specially planned for students who desire to major in biology and agriculture.

Prerequisite: Biology 27.

Reference books:

Applied Entomology, Fernald;

Destructive and Useful Insects, Macalf.

1 hr. lecture, 2 hrs. lab. Credits 2-2

Biology 29. Genetics.

An introduction to the laws of heredity. The lectures follow the development of present day knowledge of genetics. The physical basis of inheritance, examples of types of inheritance, principles of biometry, and methods of handling biological data will be studied. Laboratory work will deal with Mendelian characters in corn and fruit flies, and will involve experiments in breeding on the part of the student. This course is required of students majoring in biology, but it may be elected by others.

Text: Genetics and Eugenics, Castle; Genetics in relation to Agriculture, Babcock and Claussen; Genetics, Walfer.

Prerequisite: Biology 1-2.

2 hrs. lecture, 3 hrs. lab. Credits 3

Biology 29b. Genetics (Principles of Breeding).

This course is a continuation of Biology 29, and is especially prepared for students of agriculture. This course considers important principles and modern methods of breeding, origins of variations, selection and technique in developing pure strains as well as of hybrids. Emphasis is placed upon laboratory and field work.

2 hrs. lecture, 3 hrs. lab. Credits 3

Biology 30. Parasitology.

A study of the structure, characteristics, life-history, habitat and taxonomy of the parasitic animals. Emphasis is placed on their relation to the diseases and economic importance, with special reference to the parasites of man.

Text: Animal Parasites and Human Disease, Chandler; The Animal Parasites of Man, Fantham.

Prerequisite: Biology 17, 19, 27.

2 hrs. lecture, 4 hrs. lab. Credits 4

Biology 32. Protozoology.

This course includes the study of the morphology,

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physiology and classification of the different orders in protozoa, with emphasis on the economic questions.

Text: An Introduction to the Study of Protozoa, Minchin; Biology of the Protozoa.

Prerequisite: Biology 17.

Text: Biology of Protozoology, Calkins; An Introduction to the Study of Protozoa, Minchin.

2 hrs. lecture and discuss. 2 hrs. lab. Credits 3

Biology 33-34. Biological Techinique.

This course is planned for those specializing in Biology, or for those desirous of a technical knowledge in preparation of specimens for teaching purposes. Practical work in collecting, mounting and preserving of specimens will be done. Different types of microtomes and other machines will be used. Fixing, sectioning, and staining of plant and animal tissues will be done. Methods for making models, reconstructions, drawings, and cultures are included in this course.

References: Plant Histology, Chamberlain; Animal Micrology, Guyer.

1 hr. lecture 3 hrs. lab. Credits 2-2

Biology 37-38. Journal Club.

In this course faculty and students report on articles in current biology journals.

Prerequisite: Two years' study of biology.

1 hr. reports.

Biology 39-40. Research and Thesis.

Every student majoring in Biology is expected to demonstrate his ability to work out some simple problem under the supervision of one of the professors in the department.

Prerequisite: Two years' study of biology.

6 hrs. lab. equivalent. Credits 2-2

Agriculture Section.

For several years, various subjects in Agriculture have been offered under the different Faculties and chosen by students as options. There has been a growing demand during the last decade for further additions of agricultural

subjects, and, with the national demand for Rural Reconstruction, the inauguration of the Peoples Economic Reconstruction Movement, it is believed that the new interests, fundamental needs, experiences, and surroundings should all be considered in planning the agricultural teaching program of the University.

As a progressive step, in an effort to meet the changing social conditions, and the known needs of the students in the several faculties, there is listed below, a two-year course in Agriculture; upon the completion of these two years, the student may elect either to continue the study of Agriculture in some other University, or he (or she) may register in the department of Biology and choose agricultural courses as major options.

In addition, orientation courses and informational courses in agriculture and closely allied subjects are offered to students who wish to become acquainted with certain definite branches of knowledge and field practices.

Special courses are offered to both young men and women, who plan upon completing their University work to enter the teaching profession with a view to teaching Vocational Agriculture in the Middle Schools of the Province.

Students who contemplate entering the field now open for Agricultural Extension and Rural Leadership will be given special consideration and assistance with the practical problems of country life.

First year: Common Science Year Credits 45.

Second Year;

Agr: 7-8	General Agriculture	2-2
Agr: 3	Agricultural Economics	2
Agr: 15-16	General Horticulture	2-2
Agr: 11	General Forestry	3
Agr: 26	Sericulture	-3
Biology 26	Entomology	4
Chemistry 3-4	Inorganic Chemistry	4-3
	English	3-3
*General Science 7-8	Geology	3-3
Biology 6	Botany	-4
Biology 25	Zoology	4
	Total credits	43

*Geology 7-8 will be tanght 1937-38 and in alternate years.

Description of Courses

Agr: 1-2 Rural Sociology.

This is a problem course dealing with the actual social and living conditions of the people in Szechwan. Emphasis is laid on studies and surveys of village and open country conditions. The course is based on the thesis that the agricultural village occupies a central place in the life of rural China, and that the rural conditions cannot be understood without a thorough understanding both of the relationships and of the differences between village and open country life.

Credits 2-2

Text. K. T. Yang. Rural Sociology. (Chinese)

Reference. K. Dee. A Study of Chinese Rural Problems.

Agr: 3 Agricultural Economics.

A study of the principles as well as of the problems in the field of agricultural economics, with special emphasis on the economic factors under-lying present-day conditions in rural communities in China and other countries.

Credits Fall 2

Text. C. Y. Tang. Agricultural Economics. (Chinese)

Agr: 5 Co-operatives.

A study will be made of the history, growth and organization of co-operatives in other countries, and from survey material gathered in Szechwan principles will be worked out showing how co-operatives can be applied to the present agricultural needs in Szechwan.

Text. Charles Gide. La Co-operation (Chinese)

Reference. C. Y. Chang. The Farmer's Economic Co-operation Movement in China.

Agr: 7-8 General Agriculture.

The purpose of this course is to present such knowledge of sound principles and correct practices essential to the proper selection, organization, equipment and operation of Chinese farms—as business enterprises.

Credits 2-2

Agr: 10 Farm Products in China.

A comprehensive study will be made of the farm products of the different provinces in China. Statistics

of exports and imports will be presented—together with the statistics of the Farm Products of the receiving and sending countries, and these will be used as a basis for making constructive improvements.

Credits Spring 2

Agr: 11 General Forestry.

The specific purpose of this course is to offer the fundamental principles that control success and failure in the economic production of nursery stock and the artificial regeneration of forests—with special application to the present needs in Szechwan.

Text. B. F. Kao. General Forestry. (Chinese)

References. Y. Chen. Forestry. (Chinese)

James W. Toumy. Seeding and Planting in the Practice of Forestry. (English)

Credit Fall 3

Agr: 13 Soils.

A course dealing with the formation, characteristics, changes, and classification of soils, and their relation to crop production.

Text and notes. T. L. Lyon & H. O. Buckman. The Nature and Properties of Soils.

Credit Fall 3

Agr: 14 Fertilizers.

A study of the organic and inorganic properties of fertilizers, their nature, quality value and composition, together with methods of application with special emphasis on present day methods used by farmers in Szechwan.

Text. F. E. Bear. Theory and Practice in the Use of Fertilizers.

Credit Spring 3

Agr: 15-16 Horticulture.

This course deals with the propagation of fruit trees, methods of pruning, care and management, control of insects and diseases and the cultural requirements for the commercial fruits of Szechwan. The introduction of fruit and nut trees from other countries for propagation, as well as the discovery of outstanding fruits in the province will be emphasized.

Credit 2-2

Text. Gourley. The Text Book of Pomology.

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Agr: 17 Semi-Tropical Fruits.

The history, distribution, botany, and climatic requirements of several varieties of Semi-Tropical fruit trees will be studied, with a view towards the wider adoption of these varieties, for commercial purposes in Szechwan.

Credit Fall 3

Notes in English and Agricultural Experiment Station bulletins will form the basis of discussion.

(This course will be offered in the fall 1937)

Agr: 19 Insect control.

This course will be divided into the following study: (a) Injurious insects, their (b) description, construction and habits; (c) Methods of control—biological, spraying, rotation of crops, etc. Special emphasis will be placed on the preparation and application of insecticides.

Credit Fall 3

Text. K. M. Smith. Agricultural Entomology.

Agr: 20 Field Crops.

A general study of the principles of crop cultivation, together with the economic importance, characteristics, culture, harvesting and selection of Szechwan crops.

Credit Spring 3

Text. T B. Hutcheson & T. K. Wolfe. The Production of Field crops.

Agr: 21-35 Animal Husbandry.

The aim of this course is to give students a knowledge of the characteristics, breeding, feeding, care and management, as well as the marketing of the domestic animals commonly raised for profit in Szechwan, pigs, cattle, goats, poultry and rabbits. A comprehensive study of the fundamental principles underlying animal husbandry as these apply to one of the domestic animals will be made each term.

Credit 3

Agr: 26 Sericulture.

This course deals with the principles of growing and grafting mulberry trees, as well as breeding and rearing

of silkworms, Pasteur's method of egg production and the study of silkworm diseases.

Credit Spring 3

Text. D. Y. Yuin. Sericulture

Students taking their major in agriculture will be expected during their course to devote at least two weeks in the winter vacation and three weeks during the summer vacation to the practice of pruning, and particularly to grafting of fruit trees and other practicums which can only be done at these seasons of the year.

Students of Dairy Industry—under Animal Husbandry, will be expected to put in at least one month during the summer either at the completion of the second or third year of study, in the feeding, care, and management of the dairy herd, and in the manufacture of ice-cream, butter and cheese, and Babcock tests.

Agr: 27 Extension Course in Agriculture.

In association with the Biology Department special and carefully selected courses in practical agriculture are offered in an Extension Course to Junior Middle School graduates with two or three years of Senior Middle School training, or practical experience. This last year, the students were housed off the campus, the classroom work was done on the campus, while the practical work was done in the University gardens and on neighboring farms. This first class has been placed in practical work for this coming year. It is proposed to extend the course to two years in case support can be obtained. A class of not over 30 students will be received.

(The whole matter of Extension Courses is still in the experimental stage, and these will possibly be raised to a higher standard and registered at an early date. At the present time these courses seem to be meeting a very real need of society, but they are frankly a temporary measure.)

Note. Dr. Alice Brethorst Prizes.

Two prizes of Fifteen and Ten dollars respectively will be awarded to the students of Rural Sociology and Agricultural Economics for the best survey of agricultural or village conditions in China.

(The surveys must be handed in to the University not later than May 31st.)

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Department of Chemistry

I. Teaching Staff:

Spooner, Roy C., M.A. - Acting Head of Department
Collier, H. Bruce, M.A.; Ph.D.
Hsiao Ni-chu, B.Sc.
Hsu Yung-kwang, B.Sc.
Kao Yoh-lin, M.Sc.
Lan Tien-ho, B.Sc.
Sewell, William G., M.Sc; A.I.C.
Shih Ru-tsong.
Wang Hwan-hsin.

II. Courses:

First year: Common Year. Credits 45.

Second year:

Chem.	3-4	Organic Chemistry	7
Chem.	5	Qualitative Chemistry	4
Chem.	6	Quantitative Chemistry	4
Chem.	9-10	El. Physical Chemistry	7
Chem.	21-22	Maths. for Chemistry students	2
Chem.	27-28	Chem. English	2
Phys.	3-4	Electricity 1.	8
Gen. Sc.	1-2	Orientation Courses	2
		Physical Training	-
		English	6
		Selected Courses in Arts*	4

Third year:

Chem.	7-8	Technical Analysis	6
Biochem.	1	El. Biochemistry	7
Chem.	27-28	Chem. English	2
		Selected Courses in Arts*	2

Third or Fourth year:

Chem.	11-12	Adv. Org. Chem.	8
Chem.	15-16	Adv. Physical Chemistry	4
	17	Electrochemistry	3.5
	19-20	Industrial Chemistry	6
	23	History of Chemistry	1
Chem.	31-32	Chemistry of Dyeing	8
Chem.	33-34	Leather Tanning	10
Gen. Sc.	7-8	Geology or	6
	5-6	Astronomy	4
Physics	7	Heat & Mechanics (Lectures only)	4

Fourth year:

Chem.	25-26	Journal Club	2
	27-28	Chem. English	2
	29-30	Research and Graduate Thesis	5

*In consultation with Head of Dept.

III. Description of Courses in Chemistry.

Chem. 1-2. Inorganic Chemistry. A course in general inorganic chemistry, emphasing chemical laws and theories. Laboratory work includes preparation and study of typical substances, with simple problems in quantitative analysis. The latter part of the year's work is devoted to qualitative analysis.

Text: (Chinese) Modern Inorganic Chemistry, Ts'ao and Adolph
(English) General Chemistry, Holmes.
(Chinese) Laboratory Manual of Chemistry, Stubbs.

2 hours lecture; 6 hours lab. Credits 5-5

Chem. 3-4. Organic Chemistry. A study of the typical reactions, properties and synthesis of organic compounds, both aliphatic and aromatic. Laboratory work includes the preparation and study of important organic compounds.

Prerequisite: Chem. 1-2.

Text: Elementary Organic Chemistry, Stubbs.

2 hours lecture, 3 hours lab. Credits $3\frac{1}{2}$-$3\frac{1}{2}$

Chem. 5. Qualitative Analysis. A laboratory course in the analysis of inorganic compounds, and identification of ions present in solution, together with a study of the reactions involved. This course includes blowpipe analysis.

Text: Qualitative Analysis, Noyes.

6-9 hours lab.

(Pharmacy students: 3 hours lab. Credits $1\frac{1}{2}$-$1\frac{1}{2}$)

Chem. 6. Quantitative Analysis. A laboratory course in the principal methods of volumetric, gravimetric and potentimetric analysis.

Text: Text Book of Quantitative Analysis, Hall.

6-9 hours lab. Credits 4.

(Pharmacy students: 3 hours lab. Credits $1\frac{1}{2}$-$1\frac{1}{2}$)

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Chem. 7-8. Technical Analysis. A laboratory course in the complete analysis of the raw materials, intermediate and final products from the more common chemical industries, in order to train students in the fundamental technique required in such analyses. Among the analyses taught will be those of fuels, water; soap; sugar; fermentation products; salt; tanning materials; etc.

Prerequisite; Chem. 5 & 6

Text: Technical Methods for Analysis. Criffins Quantitative Analysis. Mahin.

Lab. 9 hours Credits 3-3

Chem. 9-10. Elementary Physical Chemistry. A course covering the fundamentals of physical chemistry, the lectures being accompanied by suitable laboratory work.

Text: Textbook of Physical Chemistry, Lowry and Sugden; Second Year College Chemistry, Chapin; Laboratory Manual of Physical Chemistry, Davidson & Van Klooster.

2 hours lectures, 3 hours lab. Credits 3½-3½

Chem. 11-12. Advanced Organic Chemistry. Lectures in advanced organic theory and special organic reactions.

Laboratory course: Qualitative and quantitative organic analysis, organic syntheses.

Text: Advanced Organic Chemistry, Cohen. Preparation Analysis of Organic Compounds, Coleman and Arnall.

A Handbook of Organic Analysis, Clarke.

2 hours lectures, 4 hours lab. Credits 4-4

Chem. 13-14. Organic Qualitative Analysis for Pharmacy students.

Text: A Handbook of Organic Analysis, Clarke

3 hours lab. Credits 1½-1½

Chem. 15-16. Advanced Physical Chemistry. A lecture course in advanced theoretical chemistry, including thermodynamics, atomic structure, photochemistry, colloids.

Text: Outlines of Theoretical Chemistry, Getman and Daniels.

Reference: Treatise of Physical Chemistry, Taylor.

2 hours lectures Credits 2-2

Chem. 17. Electrochemistry. Principles of electrochemistry and their chief industrial applications.

Text: Outline of Theoretical Chemistry, Getman and Daniels.

Principles and Application of Electrochemistry, Creighton & Koehler.

2 hours lectures, 3 hours lab. Credit 3½

Chem. 19-20. Industrial Chemistry. A course dealing with the fundamental chemical industries such as fuels, acids, alkalis, sugar, water for industrial purposes, fermentation processes, cement, glass, paper, cellulose, paint, varnishes, oil soap, leather and metallurgy. Those industries which can be developed in Szechwan will be discussed in detail. The principles of chemical engineering involved will be especially emphasized.

Text: Industrial Chemistry, Reigol

Reference: Chemical Engineering, Lewis, Walker & McAdams; Manual of Industrial Chemistry, Rogers

Lecture 3 hours Credits 3-3

Chem. 21-22. Mathematics for Chemistry Students. A special course in Theory of Measurements and applied Mathematics, special stress to be laid upon applications to chemical problems. The lectures will be subordinated to work to be done by the students.

Text: The Theory of Measurements, Tuttle and Sattorly; Mathematical Preparation for Physical Chemistry, Daniels.

Chemical Calculation, Long, Anderson.

1 hour lecture with assignments Credits 1-1

Chem. 23. History of Chemistry. History of developments in chemical theory and discovery, with special relation to the advance of civilization.

Text: History of Chemistry, Moore; Crucibles, Jaffe.

Reading assignments & essays Credits 1

Chem. 25-26. Journal Club: Papers on current topics are

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presented bi-weekly by staff and students, followed by discussion.

1 hour per week Credits 1-1

Chem. 27-28. Chemical English:

(*a*) Understanding and use of common technical terms.

1 hour per week for II year students. Credits 1-1

(*b*) Selected readings in Chemical English, stressing ability to read and translate into Chinese.

1 hour per week, for III and IV year students. Credits 1-1

Chem. 29-30. Research and Thesis: Every student graduating in this department is required to present a thesis. This must be based upon original investigation in some branch of Chemistry, upon a problem to be assigned by the staff of the department.

Chem. 31-32. Chemistry and Practice of Dyeing.

A theoretical and laboratory course on the chemical technology of the textile fibres, the manufacture of intermediates, the constitution of dyestuffs and their chief methods of application.

References: Whittaker: Dyeing with Coal Tar Dyestuffs

Rogers: Manual of Industrial Chemistry

Thorpe: Dictionary of Applied Chemistry.

2 hours lecture, 4 hours lab. Credits 4-4

Chem. 33-34. Chemistry of Leather Tanning.

A theoretical and laboratory course on leather tanning. Emphasis will be placed on the use of local materials.

2 hours lecture. 6 hours lab. Credits 5-5

Extension Course in the Theory and Practice of Dyeing

In connection with the Chemistry Department a special extension course in Dyeing is offered. This is open to: (*a*) Students with senior middle school standing, or a training equivalent to this, who have passed a prescribed examination;

and (*b*) students who have had experience in dyeing and whose standing is such that they will benefit from the course.

The course lasts one year, 12-18 hours a week, and a fee of $30 per term is charged covering tuition and laboratory. The following subjects are taught: review of general chemistry; water softening and materials used in dyeing; textile fibres; bleaching; dyestuffs and their application; large scale practical dyeing; general management of a dyehouse; and calico printing. Students on the satisfactory completion of the course will be granted a special certificate.

Special Course in the Principles and Practice of Leather Tanning.

In connection with the Chemistry Department a special course in Tanning is offered. This is open to (a) male students with senior middle school standing who have taken the university entrance examinations and have been admitted. (*b*) male students who have had experience in tanning and whose standards and ability are such that they may benefit from the course.

The course is of two years duration. The lectures and laboratory work offered are all of university grade. Fees are the regular university fees charged for students in the Science Faculty. The following subjects are taught. General Chemistry; Organic Chemistry; Qualitative Analysis; Quantitative Analysis; Leather Analysis; Principles of Biology; Histology; Bacteriology; Practical Tanning; Theoretical Tanning; Dyeing; Elementary Physical Chemistry; and other subjects. Students on the satisfactory completion of the course will be granted a special diploma.

Department of Mathematics and Physics:

I. Teaching Staff:

Chang Hsiao-li, M.A. *Head of Department.*
Cheo Yuen-wen, B.S.
Downer, Sara Boddie, B.S., M.A.
Dye, Daniel Sheets, B.S., M.A.
Dye, Jane Balderston, B.A., M.A.
Wang T'ieh-ren, B.S.
Wu Kueh-chang, B.S., M.A.

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II. Courses:

First Year: Common Science Year. Credits

Second Year: Common Mathematics and Physics Year.

	lectures		credits
M 5- 6 Advanced Calculus	4	4	6
M21-22 Algebra and Theory of Equations	4		6
M61-62 Theory of Interest	2		2
M83-84 Surveying and Spherical Trigonometry	1	2	3
P3-4 Electricity	3	3	8
P7-8 Mechanics and Molecular Physics	2	3	6
Gen. 1-2 Orientation Courses	1		2
Electives			7
			40

Third and Fourth Years:

(Mathematics Section.)

M 7- 8 Theory of Functions of a Real Variable	4		6
M 9-10 Theory of Functions of a Complex Variable	4		6
M45-46 Modern Geometry	4		6
M47-48 Differential Geometry	4		6
M23-24 Modern Algebra	4		6
M61-72 Theory of Interest	2		2
M63-64 Life Annuities and Life Assurance	2		2
M105-106 Mathematical English Thesis	3		6
			40

(Physics Section.)

P12 Electricity Two	3	6	5
P14 Sound	2	3	3
P15-16 Applied Electricity	2	3	6
or			
P17-18 Radio Communication	2	3	6
P19-20 Precise Measurements	1	3	4
P21-22 Modern Physics	3		6
P23-24 Thesis			
M45-46 Modern Geometry	4		6
Electives			4
			40

III. Description of Courses.

(A) Mathematics.

(Math. 1 20: Courses in Mathematical Analysis.)

Math. 1-2. General Mathematics: This course is designed to give practice in general mathematics with special attention to the needs of those who are going into other fields of science. Such subjects as the following are dealt with: Estimation of results, use of logarithms, use of slide rule, percentage accuracy, statistical methods, correlation, graphic analysis.

Text: General Mathematics for Students of Science, Dye.

References: The Theory of Mathematics, Little and Satterly; Mathematical Preparation for Physical Chemistry, Daniels.

4 hours per week. Credits, 6

Math. 3-4. Differential and Integral Calculus: This course deals briefly with the elementary theory of differential and integral calculus, during the first term, and with practical applications of mathematics during the second term. Special attention will be given to statistics, the slide rule, graphic analysis, degree of accuracy, measurement and error, least squares, etc. This course is planned for those students who have taken a high standing in mathematics in the entrance examinations.

4 hours per week. Credits, 6

Math. 5-6. Advanced Calculus: This is a continuation of Math. 3-4. The course includes review work, Implicit Functions, Jacobians, existence theorems, Taylor's and Fourier's Expansions, line, surface and volume integrals, as well as applications to Geometry.

Text: Williamson's Differential and Integral Calculus; Osgood's Advanced Calculus; Wood's Advanced Calculus.

4 hours per week. Credits, 6

Math. 7-8. Theory of Functions of Real Variable. This course includes a study of systems of real numbers, limits, continuity, aspects of uniformity, differentiation and integration, existence theorem, line, surface and volume integrals, representation of function by series

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and integrals, Green's and Stoke's theorems, and harmonic functions.

Text: Gomsat-Hedrich, Mathematical Analysis, Vol. 1; Phillip, A Course of Analysis; Osgood, Advanced Calculus; Knopp-Young, Theory and Application of Infinite Series; Pierpont, Theory of Functions of Real Variables.

3 hours per week. Credits, 6

Math. 9-10. Theory of Functions of a Complex Variable.

Text: Harkness and Morley, Introduction to Analytic Functions; Foreght, Theory of Functions; Pierpont, Functions of a Complex Variable.

3 hours per week. Credits, 6

Math. 11-12. Differential Equations: This course considers standard forms of the first order, simple forms of higher order, linear equations with constant coefficients, general linear equations of the second order, and total differential equations.

(B) Physics.

Physics 1-2. *General Physics.* A general course in Physics emphasizing mechanics, heat, sound, and light.

Text: Vol. 1., College Physics, Mendenhall, Eve and Keys: Lab. Manual, Dye and Downer.

Required course in the first year for those students planning to elect science, medicine, or dentistry.

3 hours lecture and recitation, 3 hours laboratory
Credits 4-4

Physics 3-4. *Electricity One:* A study of principles of eletricity, with emphasis upon practical use.

Text: Vol. II; and N.E. Gilbert's Electricity and Magnetism; Laboratory Manual, Downer and Dye.

3 hours lecture and recitation, 3 hours laboratory.
Credits 4-4

Physics 5. *Heat:* This course includes the measurement of temperature, specific heat, coefficients of expansion, mechanical equivalent of heat, heat and work, and radiation.

Text: Heat, Cork; Heat, Edser.

Math. 11-12. Differential Equations (Continued.)

Texts: Cohen, Differential Equations; Campbell, Differential Equations; Johnson, Differential Equations.

This course is open to students in Mathematics, Chemistry and Physics.

4 hours per week. Credits, 6.

Math. 13-14. Advanced Differential Equations: This is an advanced course in differential equations.

Texts: Goursat-Hedrick, Mathematical Analysis, Vol. 2, Part 2; Ince, Differential Equations; Johnson, Differential Equations.

3 hours per week. Credits, 6.

(Math. 21-40: Courses in Algebraic Mathematics.)

Math. 21-22. Algebra and Theory of Equations: This course comprises the numerical solution of equations, Sturm's functions, methods of approximation by Newton and Norner and Lagrange, theory of complex quantities, Demoivre's theorem, Euler's formula, exponential and trigonometric and hyperbolic functions of a complex argument, fundamental theorems of algebra, algebraic solutions of the cubic and the biquadratic, symetric functions, elimination, and discriminants.

Texts: Burside and Pantor, Theory of Equations.

3 hour per week. Credits, 6.

Math. 23-24. Modern Algebra: This course considers determinants, matrices, quadratic forms, polynomials in several variables, and theory of equations.

Texts: Bocher, Introduction to Higher Algebra; Dickinson, Modern Algebraic Theories; Burside and Pantor, Theory of Equations; and Dickson, Elementary Theory of Equations.

2 hours per week. Credits, 4.

Math. 25-26. Theory of Groups: With application to algebraic equations.

Texts: Wetto, Theory of Substitutions; Mathewson, Elementary Theory of Finite Groups; Miller, Blichfeldt and Dickson, Finite Group.

2 hours per week. Credits, 4.

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Math. 27-28. Invariant Theory.

Texts: Salmon, Higher Algebra; Elliott, Algebra of Quantics; Grace and Young, Algebra of Invariants.

2 hours per week. Credits, 4.

(Math. 41-60 Courses in Geometrical Mathematics.)

Math. 41-42. College Geometry: An introduction to the field of Modern Geometry, in which there has been such extensive development during the past few decades. Special attention is given to the geometry of the circle and the triangle. This should be of great value to those planning to teach Plane Geometry in Secondary Schools.

Texts: Altschiller-Court, College Geometry, Chinese translation. Reference: Johnson, Modern Geometry.

3 hours per week. Credits, 6.

Math. 43-44. Analytic Geometry of Three Dimensions: This carries the work of Plane Analytic Geometry into the three-dimensional field, with introductory work in determinants and linear equations.

Texts: Dresden, Solid Analytic Geometry and Determinants.

4 hours per week. Credits, 6.

Math. 45-46. Modern Projective Geometry: This aim of this course is to broaden the geometrical concepts of the student. Previous definitions are extended to include points and lines at infinity, so that parallel lines no longer present exceptions to all rules, harmonic ratios assume new and more far-reaching roles, and the methods of projection and section open up vast new areas.

Texts: Holgate, Projective Pure Geometry; Wang, Modern Synthetic Geometry, in Chinese.

4 hours per week. Credits, 6.

Math. 47-48. Differential Geometry: This course takes up space curves, envelopes, ruled surfaces, curvature of surfaces and lines of surfaces.

Text: Eisenhart, Differential Geometry.

3 hours per week. Credits, 4.

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Math. 49-50. Higher Plane Curves: This course includes an introduction to modern geometry.

Text: Salmon, Higher Plane Curves.

2 hours per week. Credits, 4.

Math. 51-52. Quaternians: This includes outlines of other space analysis.

Texts: Kelland and Tait, Quaternians; Joly, Manual of Quaternians; and Tait, Quaternians.

2 hours per week. Credits, 4.

(Math. 61-80: Courses in Mathematics of Finance.)

Math. 61-62. Theory of Interest: This course takes up decimals, interest, discount, annuities, bond values, etc. Open to all students.

1 hour per week. Credits, 2.

Math. 63-64. Elements of Life Annuities and Life Assurance.

1 hour per week. Credits, 2.

Math. 65-66. Elements of Statistical Theory: Open to all students.

2 hours per week. Credits, 3.

Math. 67-68. Theory of Probability: Open to all students.

2 hours per week. Credits, 3.

Math. 69-70. Actuarial Problems.

2 hours per week. Credits, 3.

(Math. 81-100: Courses in Mathematics of Physics.)

Math. 81-82. Astronomy. (See Description under General Science 5-6.)

2 hours per week. Credits, 4.

Math. 83-84. Surveying and Spherical Trigonometry: This course takes up the principles of topographic, hydrographic and land surveys, and it includes the use of the transit, level and tape, and the drawing of profiles and computation of areas.

Texts: Hosmer, Elementary Surveying: Wentworth, Spherical Trigonometry.

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3 hrs. fall and 2 hrs. spring. Credits, 3.

Math. 85-86. Vector Analysis: This takes up the algebra and calculus of vectors with applications to mechanics and electrical theory.

Text: Gibbs, Vector Analysis.

Reference: Wells, Vector and Tensor.

3 hours per week. Credits, 6.

Math. 87-88. Theoretical Mechanics: This includes the mechanics of systems of particles and of rigid bodies, generalized coordinates, Hamilton's principle, and elements of hydrodynamics and elasticity.

Text: Macmillan, Theoretical Mechanics.

3 hours per week. Credits, 6.

(Math. 101-120: Miscellaneous Courses in Mathematics.)

Math. 101-102. The Teaching of Mathematics.

2 hours per week. Credits, 3.

Math. 103-104. Mathematical History: This presents a broad outline of the development of mathematics in different countries, with especial reference to leading mathematicians.

3 hours per week for one term. Credits, 3.

Math. 105-106. Mathematical English: This represents an attempt to familiarize the student with the technical vocabulary of mathematics so that he can make use of English texts in class or for reference.

3 hours per week for one term. Credits, 3.

3 hours lecture and recitation, 3 hours laboratory. Credits, 3

Physics 6. *Sound:* This course is prepared for Arts students.

1 lecture per week, one term. Credits, 1

Physics 7-8. *Mechanics and Molecular Physics:* This course stresses Mechanics, and Molecular Physics with fundamental laws, Impact, Elasticity, Harmonic Motion, Centrifugal Force, Boyle's Law, Capillarity, Humidity. This course is required for all students in the Department, and is elective for those who have taken P1-5 and M1-4. (Some of the work will be in English to meet the need of technical English.)

Text: Notes in Chinese; Mechanics, Molecular Physics and Heat, Millikan & Gale.

Lectures and laboratory, 5 hours per week. Credits, 3-3

Physics 9-10. *Mechanical Drawing:* Designed for those specializing in Physics or who are preparing for specialization in engineering in technical schools. This course includes laying out work, draughting of the plane and the solid, tracing and lettering.

Text: French, Engineering Drawing; Jones, Machine Drawing.

3 to 9 hours per week. Credits 1 to 3 hours per term.

Physics 11. *Optics:* A study of the theory and essential phenomena of light with experimental work in intensity, reflection, refraction, dispersion, absorption, interference, diffraction and polarization.

Text: Edser, Light; Wood, Physical Optics; Laboratory Directions, Dye.

P2, 7-8 and M1-6.

4 hours lectures and recitation, 5 hours laboratory. Credits, 3

Physics 12. *Electricity Two:* This course is a continuation of P3-4, and deals with the phenomena, theory and application of electric charge, electricity in motion, direct and alternating currents, capacity and induction.

Text: Zeleney, Elements of Electricity supplemented by references to other texts for special subjects.

Prerequisite, P3.4

3 hours lecture and recitation, 6 hours laboratory. Credits, 5

Physics 13. *Direct Current Measurements:* This course is essentially experimental work.

Text: Smith, Direct Current Electrical Measurements.

6 hours laboratory per week. Credits, 3

Physics 14. *Sound:* A study of the fundamental phenomena and principles of sound, its production, its transmission, its reception, and its recording. (Some of the work is in English so as to meet the need for scientific English.)

Text: Theory of Sound, Rayleigh; Watson, Sound; Richardson, Sound; Wood, A textbook of Sound.

Prerequisite, P1-7, and M1-6.

2 hours lectures and recitation. 3 hours laboratory. Credits, 3

Physics 15-16. *Applied Electricity:* A theoretical and practical course of study of electrical generators, motors, and meters, both D. C. and A. C.

Text: Gray, Principles and Practice of Electrical Engineering. Hazeltine, Electrical Engineering; Shepardson, Elements of Electrical Engineering.

2 hours lecture and recitation, 3 hours laboratory. Credits 3-3

Physics 17-18. *Radio Communication:* A study of oscillatory circuits, radio waves, principles of transmission and the construction of circuit.

Text: Morecroft, Elements of Radio Communication and Principle of Radio Communication.

Prerequisites, P1-11, and M1-6.

2 hours lecture, 3 hours laboratory. Credits, 3-3

Physics 19-20. *Precise Measurements:* This course is planned for those students majoring in Physics. Experiments in and theory of physical properties, electricity and optics will be taken up. Certain experiments will be included for those who elect P21-22. There is elasticity in the selection of experiments to meet the need and interests of the students.

Text: The student is not required to purchase a text book for this course but he must consult special books and articles referred to in the experiment directions.

Prerequisites, P1-4, 7, one other course in Physics, and at least fifteen hours credits in Mathematics.

1 hour lecture, recitation, or report, 3 to 6 hours laboratory, Credits, 2-3 hours per term

Physics 21-22. *An Introduction to Modern Physics:* This course reviews the rise of Physics and the Experimental Method and then takes up some phases of Modern Physics. A major part of the course takes up a study of moving charges, line spectra, the structure of the atom, and X-rays.

References: Experimental Atomic Physics, Harnwell and Livinggood; Richtmeyer, Introduction to Modern Physics; Contemporary Physics, Darrow.

Prerequisites: Physics 1-13, and P19-20 must be taken in conjunction.

3 hours lecture and reports. Credits, 3-3

Physics 23-24. *Physics Thesis:* Those who major in Physics must consult the head of the Department in the selection of a problem for individual research, which includes reading, experiment, and the writing of a thesis. Credits, 1-1

Physics 25-26. *Physics Seminar:* A seminar in current periodicals, journals and books is planned for senior students and teachers in the Physics Department of the University and associated schools in Chengtu.

Department of Pharmacy

I. Teaching Staff.

*Meuser, Edwin N., Phm.B., Pharm. D., Head of Department.
Li Hsin-lung, B.S. (P.) Acting Head of Department.
Hsieh Chen-k'o, B.S. (P.)

Part time:

Crawford, Walter, M.D., C.M., D.P.H.
Foster, B. Louise, B.A.

Feng Da-ran, B.S.
Gi Gan-chen, Ph.G.
Hibbard, E., B.A., B.D.
Kao Yoh-lin, M.Sc.
Kilborn, L.G., M.A., M.D., Ph.D.
Lan, T'ien-ho, B.S.
*Lenox, John E., B.A., M.D.
Pen D.F., B.S.

The general regulations governing this department are those of the Faculty of Science as outlined in the General Statement. Such special regulations as may be made from time to time will be duly announced.

The degree of Bachelor of Science (in Pharmacy) B.S. (P.) will be given upon the satisfactory completion of the prescribed course and an accepted thesis.

The curriculum is subject to addition, deletion, or other alteration at any time and without advance notice, at the discretion of the Faculty.

Courses:

FIRST YEAR.

Subject.	Subject Number	Hours Lecture	Lab.	Credits
Ethics or Religion		2		4
Chinese		2		3
English	3-4	6		8
Inorganic Chemistry	1-2	2	6	8
Physics	1-2	3	3	8
Biological Principles	1-2	2	6	8
Mathematics	1-2	4		6
Physical Training				
		21	15	45

SECOND YEAR.

Subjects.	Subject Number	Hours Lecture	Lab.	Credits
Ethics		2		4
English	5-6	3		6
General Botany	6	2	4	4
Physics	3-4	2	4	8
Organic Chemistry	3-4	2	4	8

Subject.	Subject Number	Hours Lecture	Lab.	Credits
Pharmaceutical Latin	Ph. 5-6	2		2
Materia Medica & Pharmacognosy	Ph. 7-8	3		6
Technical English	Ph. 1-2	1		2
Pharmaceutical Metrology	Ph. 3-4	2		4
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THIRD YEAR.

Subject.	Subject Number	Hours Lecture	Lab.	Credits
Technical English	Ph. 9-10	1		2
Science & Human Life	3-4	1		2
Pharmaceutical Processes	Ph. 1-1	4	3	7
Pharmaceutical Accounting	Ph. 13-A			
Pharmaceutical Jurisprudence History & Ethics	Ph. 13-B	1		1
Galenical Pharmacy	Ph. 16	4	3	7
Chemistry (Qualitative Analysis)	5-6		3	3
Chemistry (Quantitative Analysis)	7-8		6	6
Physiology and Biochemistry	Ph. 17	3	4	5
Pharmacology and Toxicology	Ph. 18	3	6	6
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FOURTH YEAR.

Subjects.	Subject Number	Hours Lecture	Lab.	Credits
Technical English	Ph. 19-20	1		2
Prescriptions Incompatibility & Dispensing	Ph. 21-22	2	2	6

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Subjects.	Subject Number	Hours Lecture	Hours Lab.	Credits
Pharmaceutical Chemistry	Ph. 23-24	2	6	10
Public Health & First Aid		1		2
Bacteriology		2	2	4
Chemistry (Organic Analysis)	Ph. 29		6	3
Pharmacopoeial Analysis & Drug Assay	Ph. 25-26	1	3	5
Chinese Drug Research & Thesis	Ph. 27-28	2	3	7
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N. B. The addition to the present curriculum of a course in Clinical Pathology and, certain other subjects is now under consideration.

Description of Courses.

Pharmacy 1-2 Technical English.

A special course in scientific terminology having particular reference to pharmaceutical terms and expressions used in lectures and text books on the various subjects on the Pharmacy curriculum. Exercises in English conversation will be a feature of the course, as well as a general preparation of the student to read pharmaceutical journals and other pharmaceutical literature.

Lectures. 1 hour a week. Credits 2 hrs.

Pharmacy 3-4. Pharmaceutical Metrology.

The purpose of this course is to acquaint the student with the various systems of weights and measures, types of pharmaceutical balances, specific gravity, specific volume, etc., also percentage problems, alligation and other arithmetical calculations relative to problems in pharmacy.

Text: Pharmaceutical and Chemical Arithmetic, Sturmer.

Lectures. 2 hours a week. Credits 4 hrs.

Pharmacy 5-6. Pharmaceutical Latin.

This course is designed to present those principles of Latin etymology and construction which are essential to an intelligent understanding and use of the terminology of Pharmacy. The construction of Latin prescriptions with abbreviations, will be studied in detail.

Text: Pharmaceutical Latin, Muldoon.

Lectures: 2 hours a week. Credits 2 hrs.

Pharmacy 7-8. Materia Medica and Pharmacognosy.

Important organic and inorganic drugs of different pharmacopoeias will be studied with respect to names, character, botanical source, parts used, active constituents, dose, and official preparations. The course will also include practice in the identification and systematic examination of the general macroscopical and microscopical features of some of the more important and official drugs.

Text: Materia Medica, Bruce.

Ref: Chinese Pharmacopoeia; B.P., U.S.P.

Lectures: 3 hours a week. Credits 6 hrs.

Pharmacy 9-10. Technical English.

This course will be a continuation of, and a general progression in Pharmacy 1-2. It is intended to facilitate the student's study of English texts and literature on the advanced Courses.

Lectures: 1 hour a week. Credits 2 hrs.

Pharmacy 11. Pharmaceutical Processes.

This subject consists of a study, with demonstrations, of the general principles and processes employed in pharmaceutical operations.

The following will be given due consideration during the course: Collection and preparation of crude drugs, comminution, solution, evaporation, extraction, infusion, percolation, etc.

Text: Text-book of Pharmacy, Bentley.

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Ref: Fundamentals of Pharmacy, Meuser.

Lectures: 4 hours a week for 1 term. Credits 3 hrs.

Pharmacy 12.

This course includes practical laboratory work with pharmaceutical apparatus used in the manufacture and purification of various pharmacopoeial chemicals and preparations, illustrating one or more of each of the pharmaceutical processes described in the didactic course.

Text: Practical Pharmacy Manual (1).

Laboratory: 6 hours a week for 1 term. Credits 3 hrs.

Pharmacy 13. (Pharmaceutical Accounting, Jurisprudence, History and Ethics).

(a) Pharmaceutical Accounting: This course is designed to give the student the fundamental principles of pharmaceutical and hospital accounting and the keeping of business records.

Lectures: 1 hr. per week for first part of one term.

(b) Pharmaceutical Jurisprudence, History and Ethics. Statutory regulations governing the practice of pharmacy in China and in Western countries will be given due consideration. The history and ethics of pharmacy will also be studied in detail.

Lectures: 1 hour a week for 1 term. Credits 1 hr. (after completion of Ph. 13a).

Pharmacy 15. Galenical Pharmacy.

In this course the official preparations of the Chinese, British and United States Pharmacopoeias as well as important non-official preparations will be studied, involving name and synonyms, composition, strength, uses, doses, etc.

Lectures: 4 hours a week for 1 term. Credits 4 hrs

Text: Text-Book of Pharmacy, Bentley.

Ref: Chinese, British & United States Pharmacopoeias

Pharmacy 16. Manufacturing Pharmacy.

In this course the student will be given extensive practice in the various details of manufacture of several preparations each of the different classes of pharmaceutical preparations of the Chinese, British and United States pharmacopoeias. Certain types of toilet preparations and chemical salts will also be made.

Ref: Chinese Pharmacopoeia, B.P., U.S.P.

Text: Pharmacy Manual.

Laboratory 6 hours a week for 1 term.

Credits 3 hrs.

Pharmacy 17. Physiology and Biochemistry

The purpose of this course is to give the student an appreciation of the mechanism of the body as a whole, while at the same time the material is given in such detail as to aid toward a clearer understanding of the action of drugs in altering physiological processes as studied later under pharmacology.

Text & Reference Books:

Handbook of Physiology. Halliburton
Elementary Manual of Physiology. Burton-Opitz
The Human Body & its Functions. Best & Taylor
Laboratory Manual. Evans & Kilborn (Chinese)

Pharmacy 18. Pharmacology & Toxicology.

The physiological action of drugs is studied from both the theoretical and practical standpoints. The laboratory course makes use of frogs, turtles, mammals, and the students themselves in a study of the modification of physiological functions of drugs and poisons. Such Chinese drugs as have been investigated are included in the course. Poisons and their detection and antidotes will also be studied.

Lectures: 3 hrs. 1 term. Credits 6 hrs.

Laboratory: 6 hrs. 1 term.

Pharmacy 19-20. Technical English.

Advanced work will be given in English reading, interpretation and discussion of standard pharmaceutical texts, journal articles, etc. At least one essay written in English will be required of each student on such subject or subjects as may be assigned by the teacher.

Lectures: 1 hour a week. Credits 2 hrs.

Pharmacy 21-22. (Prescription & Incompatibility).

The instruction given in this course includes prescription writing, reading, and interpretation, and detailed discussion of pharmaceutical, chemical, and physiological incompatibilities.

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Use will be made of the projectoscope in reflecting autograph prescriptions on the screen, when they will be carefully examined and criticized.

Text: The Art of Dispensing, Chemist & Druggist

Ref: Prescriptions & Incompatibility, Meuser
Dispensing for Pharmacy Students, Cooper & Dyer
Incompatibilities in Prescriptions, Ruddiman

Lectures: 2 hours a week Credits 4 hrs.

Pharmacy 21-22. (Practical Dispensing).

This course embraces practical experience in the methods of compounding and dispensing the various types of prescriptions, simple and technical, as well as other official and extemporanous preparations. It also gives special emphasis to accuracy, technique, and neatness in work.

Text: Dispensing Manual

Ref: Dispensing for Pharmacy Students, Cooper & Dyer.
The Art of Dispensing Chemist & Druggist

Laboratory: 2 hours a week Credits 2 hrs.

Pharmacy 23-24. (Pharmaceutical Chemistry).

In this course will be studied in a general way the chemistry and other data of those drugs and medicines commonly used in Pharmacy, laying particular stress upon their pharmaceutical aspect.

The laboratory course will include the practical manufacture, and both qualitative and quantitative assays of some of the more important of the drugs.

Text: Pharmaceutical Chemistry, Bentley & Driver
Pharm. Chemistry Laboratory Manual

Lectures: 2 hours per week Credits, 10 hrs.

Laboratory: 6 hours per week.

Pharmacy 25-26. (Pharmacopoeial Analysis).

In this Course selected formulae of official preparations of different pharmacopoeias will be analysed, compared and criticised in detail as to constituents, doses, processes of manufacture, tests, etc.

Text: Chinese, British and United States Pharmacopoeias.

Lectures: 1 hour a week. Credits 2 hrs.

This laboratory course is intended to give the student definite practical experience, under the supervision of the instructor, in carrying out the assays previously studied in the didactic course.

Text: Laboratory Manual of Drug Analysis & Assay.

Ref: Pharmacopoeias Chinese, British and American
Analysis of Drugs and Medicines, Nelson.

Laboratory: 3 hours a week Credits 3 hrs.

Pharmacy 27-28. (Chinese Drug Research).

This course is designed to develop and equip the student in the recognition, collection and preservation of native crude drugs of vegetable, mineral and animal origin, and to analyse same for the purpose of ascertaining their active constituents, and their physiological, chemical and physical properties; also to standardize the same for dosage, etc. Each student will be given a specific research problem upon which to work. He will be expected to prepare an original thesis based on the work done on his research problem, and shall present this thesis to the Faculty for acceptance before graduation.

Text: Analysis of Drugs and Medicine, Nelson.

Ref: Microscopical Examination of Drugs, Greenish.
Qualitative Analysis of Medicinal Preparations, Fuller.

Lectures: 2 hours a week.

Laboratory: 3 hours a week. Credits 7 hrs.

General Science Courses.

Gen. Sc. 1-2. Orientation Course. This is a general lecture course. It is designed to give a general view of the place of the arts and of the sciences in life, as well as a particular view of the work of the several departments. The lectures of the first term are devoted to the arts and those of the second term are devoted to the sciences. Note-taking and examination are required.
2 hours lecture. Credits, 1-1

Gen. Sc. 3-4. Science Lectures: Occasional Lectures will be announced by each department for all first year students in science, in order to acquaint the students

with the work in the several departments. The total number of these lectures during the year will not exceed ten. An examination will be required of the science students of the first year.

Gen. Sc. 5-6. Astronomy: A course in descriptive astronomy, which is open to all students above the first year, and is offered in alternate years.

Text: Astronomy, Baker; Reference: General Astronomy, Young.

(This will be given in the spring term of 1938, 4 hours per week.)

2 hours lecture and laboratory. Credits, 2-2

Gen. Sc. 7-8. Geology: This is primarily a course in dynamical, structural and historical geology. The lectures include illustrative material and lantern slides from Szechwan and other parts of China. The laboratory work includes the study of topographical maps, minerals, fossils, and field trips.

2 hours lecture, 2 hours laboratory work. Credits, 6

Gen. Sc. 8-0. Paleontology: A study of fossil organisms, planned for students of Biology but not exclusively so. Geological Formations, type fossils of various formations, together with the evolutionary process and its relation to chronology will be taken up.

2 hours lecture and laboratory. Credits, 2

Gen. Sc. 9-10. Correlation Course. This is a general course for students of the third and fourth years. This is a course to broaden the interests and the understanding of the student who has majored in one department of one college. It is designed to facilitate an integration of science and art in life.

Gen. Sc. 11-12. Domestic Science: This course deals with "Home Making as a Profession" and will include the following subjects: (1) Home Sanitation, (2) Home Nursing, (3) Accounting, (4) Child Welfare (including general care of the child with especial attention to child feeding), (5) and Feeding the Family. Considerable stress will be placed on the scientific planning of the diet of the family. A practical course will be given in foods where meals will be prepared.

2 hours lecture, 2 hours laboratatory. Credits, 3-3

COLLEGE OF MEDICINE AND DENTISTRY

Council.

*Morse, W. R.	- -	Director of the College
Kilborn, L. G.	- -	Dean of Medicine and Acting Director
Lindsay, A. W.	- -	Dean of Dentistry
Anderson, H. G.	- -	Secretary of the Faculty
Mullett, H. J.		
Peterson, R A.		

Faculty, Full Time

Agnew, Robert Gordon, 劉延齡 B A., M.Sc.,(Dent.)D.D.S., Toronto, L.D.S., Royal College of Dental Surgeons, F.I.C.D. Professor, Pathology.

Anderson, Harold G. 安得勝 M.D., B.S., M.R.C.P., London. Associate Professor, Internal Medicine.

Beh Yin-Tsai, 白英才 B.S., M.D., West China. Instructor, Anatomy.

Best, Albert Edward, 楊濟靈 B.A., M.D., Toronto. Professor, Internal Medicine.

Campbell, Walter Gordon, 甘如醴 D.D.S., Minnesota, Senior Instructor, Odontology.

Chang Chuin-hsien, 張群仙 D.D.S., West China. Assistant, Clinical Dentistry.

Cheo Hai-fan, 鄒海帆 D.D.S., West China. Assistant, Oral Pathology and Clinical Dentistry.

Chen Gweh-hwa, 程貴華 D.D.S., West China, Assistant, Oral Histology and Clinical Dentistry.

Chow Hsü-te, 周緒德 M.D., West China. Instructor, Pathology.

*Collier, H. Bruce, 柯理爾 M.A., Ph.D., Toronto. Associate Professor, Biochemistry.

Crawford, Wallace, 高文明 M.D., C.M., D.P.H., Western Ontario. Professor, Hygiene and Public Health.

*Cunningham, Edison Rainey, 韓培林 B.A., M.D., C.M., Manitoba, D.O.M.S., London. Professor, Ophthalmology.

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*Cunningham, Gladys Storey, 韓芳清 B.A., McGill, M.D., Manitoba. Associate Professor, Obstetrics and Gynecology.

Djang Su-lin, 張舒鱗 D.D.S., West China, Assistant, Odontal Surgery and Clinical Dentistry.

*Du Shuen-deh, 杜順德 M.D., West China. Associate Professor, Parasitology.

Dwan Yu-chin, 段玉清 M.D., West China. Assistant, Anatomy.

Feng Da-ran, 馮大然 B.S., West China. Associate Professor, Pharmacology.

Gin Shan-yoh, 金尚君 M.D., Shanghai Woman's Christian Medical College, Instructor, Pediatrics.

Hsia Yao-shan, 夏耀珊 D.D.S., West China. Assistant, Odontal Surgery and Clinical Dentistry.

Hsieh Hsi-hsu, 謝錫璿 M.D., West China. Senior Instructor, Surgery and Roentgenology.

Hsiung Bi-shwang, 熊璧雙 M.D., West China. Instructor, Obstetrics and Gynecology.

Kilborn, Leslie Gifford, 啓眞道 M.A., M.D., Ph.D., Toronto. Professor, Physiology and Pharmacology.

*Kilborn, Retta Gifford, 啓希賢 M.D., C.M., Trinity (Toronto), Emeritus Professor, Pediatrics.

Lan Tien-ho, 藍天鶴 B.S., Yenching. Senior Instructor, Biochemistry.

Lechler, John Howard, 路景榮 M.D., M.R.C.S., F.R.C.P., Edinburgh. Visiting Professor, Surgery.

*Lenox, John E., 冷樂施 B.S., Bucknell, M.D., Pennsylvania. Senior Instructor, Internal Medicine.

Liao Wen-yu, 廖韞玉 D.D.S., West China, Assistant, Prosthodontology and Clinical Dentistry.

*Liljestrand, Sven Herman, 李哲士 Ph.B., M.D., Syracuse. Professor, Obstetrics and Gynecology.

Lindsay, Ashley Woodward, 林則 D.D.S., M.Sc., (Dent.), Toronto, L.D.S., Royal College of Dental Surgeons, F.A.C.D. Professor, Oral Surgery.

Lo Gwang-bi, 羅光璧 M.D., West China. Associate Professor, Internal Medicine.

Lousley, Helen M. 劉思蘭 M.D., Manitoba. Instructor, Internal Medicine.

Millar, Jean Ewald, 羅樹仁 M.D., Western Ontario. Senior Instructor, Pediatrics.

*Morse, William Reginald, 莫爾思 B.A., Acadia, M.D., C.M., McGill, LL.D., Acadia, F.A.C.S. Professor, Anatomy and Associate in Surgery.

Mullett, Harrison J. 吉士道 D.D.S., B.Sc. (Dent.) Toronto, L.D S., Royal College of Dental Surgeons, F.A.C.D. Professor, Prosthodontology.

Parfit, Norman, 全樂民 M.A., B.M., B.Ch., Oxford, D.T.M., Calcutta, D.P.H. London. Senior Instructor, Hygiene and Public Health.

Parfit, Jessie, 全潔民 M.D., B.S., London, Senior Instructor, Hygiene and Public Health.

Pen Chie-ren, 彭吉人 M.D., Diploma in Ophthalmology and Otolaryngology, West China. Assistant, Ophthalmology and Otolaryngology.

Pen Dze-fu, 彭子富 B.S., West China. Senior Instructor, Physiology.

Peterson, Robert A. 畢德生 M.S., M.D., Iowa. Professor, Otolaryngology.

Teng C. C. 鄧自強 M.D. Shanghai, National Medical College. Instructor, Ophthalmology.

Tsao Djong-liang, 曹鍾樑 M.D., West China. Instructor, Internal Medicine.

*Whang Tien-chi, 黃天啓 D.D.S. West China, D.D.S., Toronto, Professor, Odontal Surgery.

*Wilford, Edward Corry, 胡祖遺 M.D., Toronto, L.R.C.P., and S., Edinburgh, F.A.C.S. Professor, Surgery.

Williams, Thomas Henry, 韋林士 M.D., C.M., Manitoba, L.M.C.C., Canada, D.T.M. and H., London. Professor, Pathology.

Yang Chih-kao, 楊枝高 M.D., West China. Instructor, Surgery.

Yang Gia-liang, 楊嘉良 B.S., M.D., West China. Instructor, Surgery.

*Yen Yin, 顏 闇 M.D., West China. Instructor, Anatomy.

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Yo, Helen, 樂以成 M.D., West China. Instructor, Obstetrics and Gynecology.

Yü Deh-min, 余德明 D.D.S., West China. Assistant Clinical Dentistry.

Part Time Teachers

A. *From other colleges of the university.*

Chang Min-chuin, 張明俊 B.S., West China, M.Sc., Yenching. Professor, Biology, in the College of Science; in charge of Histology and Embryology in the College of Medicine and Dentistry.

Li Shin-lung, 李興隆 B.S. (Pharm.), West China. Instructor, Pharmacy, in the College of Science.

*Meuser, Edwin Nelson, 米玉士 Phm.B., Toronto, Pharm. D., Pennsylvania. Professor, Pharmacy in the College of Science.

B. *Other part time teachers.*

Agnew, Mary Caldwell, 劉延齡夫人 M.A., Toronto. Lecturer, Biochemistry.

Albertson, Wilford Beaton, 曾思孔 B.A., Toronto, B.D., Union Theological Seminary.
Bursar; Lecturer, Oral Technical Drawing.

Best, Gertrude Chamberlain, 楊濟靈夫人
Lecturer, Technical English.

Chin Shi-tien, 晋希天 Instructor, Clinical Photography.

Kilborn, Janet McClure, 啓靜卿 M.D., Toronto. Lecturer, Technical English.

Liljestrand, Ethel, 李哲士夫人 B.A., Syracuse. Registrar, Clinical Gynecology.

Lindsay, Alice W. 林則夫人 Lecturer, Technical English.

*Manly, Marian E. 滿秀實 B.A., Ohio Wesleyan, M.D., Rush. Senior Instructor, Obstetrics and Gynecology.

*Morse, Anna C. 莫爾思夫人 Lecturer, Anatomical Drawing.

Mullett, Pearl McDonald, 吉士道人夫 Lecturer, Technical English.

Colly. of Medicine & Dentistry *

History and Organization.

The Faculty of Medicine was established in 1914 as an integral part of the West China Union University. The course was reorganized in 1918, when a minimum of two years premedical instruction of collegiate grade was required for admission. A Department of Dentistry was officially organized under the Faculty of Medicine in the year 1918. This action regularized the standing of students who had registered in the medical course with a view to specializing in dentistry. In December, 1919, the Department of Dentistry was reorganized and created a separate faculty of the university.

In 1929, the Faculties of Medicine and Dentistry were united as the College of Medicine and Dentistry of the West China Union University, and the Board of Governors sanctioned this action in 1930. This union has greatly increased the efficiency of both faculties.

Degrees and Diplomas.

The Medical and Dental courses are each six years in length, including the final interne year. The prerequisite for entrance into the College is one additional year in Science, this being the common First Year Science course.

Upon the satisfactory completion of all requirements the degree of M.D. or D.D.S. is conferred by the University.

A Diploma in Ophthalmology and Otolaryngology is granted by the University to graduates in Medicine of this or other recognized universities who have completed the special two year course in those subjects. Details of this course may be found listed under the departments concerned.

A Certificate in Hospital Technology is granted by the College of Medicine and Dentistry to students who successfully complete the three year course required. Details of this course and entrance requirements may be obtained by applying to the Dean of Medicine or the Head of the Department of Pathology and Bacteriology, Div. I, under whose direction the course is given.

Language of Instruction.

The language of instruction in the lower years is Chinese. English, both general and technical, is taught, and the aim

* Excerpted from the catalogue for 1937-1939

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is that upon graduation the student shall be able to continue his studies from English text-books and journals. Certain lectures in senior years may be given in English.

Special Rules and Regulations.

1. The tuition fees, general rules, regulations, etc., of the University apply to students in Medicine and Dentistry.

2. The faculty reserves the right to change any course of study at any time without notice. Students already in the institution, as well as new students, are required to conform to the changes.

3. Each student is required to have the necessary books for each course within two weeks of the opening of the term, or attendance will not be permitted without special permission. Required text books are kept in stock by the book sales department in the bursar's office. As cash sales only are permitted it is essential that a student begin the term with the necessary amount of money on hand.

4. Scholarship students, unless specially exempted, who have taken in advance a course listed in a given year, must take a similar course of approximately the same length.

Examinations.

1. A student in any course involving practical work in a laboratory or clinic may be excluded from the annual or supplemental examinations at the discretion of the College, if the head of the department under whom his work has been carried on reports in writing to the Dean of his Faculty that he has not done satisfactory laboratory or clinical work, or has signally failed in the practical examinations.

2. All subjects are listed as either Major or Minor, this depending upon the relative importance of the subject and the time spent in its study.

3. Students of any year may be admitted to the next ensuing supplemental examination if they have passed in:—

   a. All but one major subject

   b. All but one major and one minor subject

   c. All but two minor subjects

   that is, students are not permitted to take supplemental examinations who in that year fail to pass in:—

   a. Two major subjects

   b. One major and two minor subjects

   c. Three minor subjects

4. Students of the interne years must satisfy the head of each department in which they work that their work has been of a satisfactory nature. The head of each department having internes working in it shall make a written report to the Dean of his Faculty as to the character of the work of each interne.

5. Students who fail in the supplemental exams. in more than one minor subject, and students who have not been permitted to take the supplemental examinations on account of failure in more than the number of subjects permitted may petition the College for permission to repeat the year's work. If the petition is granted the student must repeat the entire work of the year, including the examinations in every subject of the year. No student will be allowed to repeat the work of any year more than once. A student who has failed in only one minor subject may be permitted to take the work of the year above, but must pass the examination in this subject before again being promoted.

6. The following are the major and minor subjects of examination for each year:—

   I. Major: Chemistry, Physics, Biology, English.

   Minor: Psychology, Ethics, Chinese, Scientific English, Second Foreign Language, Technical Drawing.

   II. Major: Anatomy, Histology, Embryology, Biochemistry, English.

   Minor: Technical English, Second Foreign Language.

   III. Major: Physiology, Pharmacology, Bacteriology, Pathology, Physical Diagnosis, Clinical Pathology (including Clinical Biochemistry), Parasitology or Odontal Morphology.

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Minor: English, Technical English, Materia Medica and Pharmacy, Neurology, Dentistry for Medical Students.

(Medical Students Only):

IV. Major: Pathology, Internal Medicine, Surgery (including Orthopaedics), Obstetrics and Gynecology.

Minor: English, Roentgenology, Venereal Diseases, Dermatology, Neurology, Dentistry for Medical Students.

V. Major: Internal Medicine, Surgery, Obstetrics, Gynecology, Pediatrics, Hygiene and Public Health, Ophthalmology, Oto-rhino-laryngology.

Minor: English, Medical Ethics and History of Medicine, Medical Jurisprudence, Psychiatry, Therapeutics (including Dietetics), Dentistry for Medical Students.

VI. Major: Internal Medicine, including all its specialties.
Surgery, including all its specialties.
Obstetrics and Gynecology.
Thesis.

(Dental Students Only):

IV. Major: Oral Pathology, Internal Medicine (including Differential Diagnosis), Surgery, Oral Histology and Embryology, Prosthodontal Laboratory Technology (including Dental Materials and Instruments), Odontology, Prosthodontology and Prosthodontal Surgical Technology.

Minor: English, Technical Surgical English.

V. Major: Applied Oral Anatomy, Oral Physiology, Oral Hygiene and Preventive Dentistry, Odontology, and Odontal Surgical Technology, Prosthodontology and Prosthodontal Surgical Technology, Parodontology and Parodontal Surgical Technology, Oral Medicine and Surgery, Prosthodontology "A", Hygiene and Public Health, Oral Diagnosis including Electrical Diagnosis and Therapeutics, Clinical Oral Pathology and Biochemistry.

Minor. Oral Materia Medica; Comparative Oral Anatomy, Anaesthesia, Applied Photography, Animal Operative Surgery, Orthodontology, Jurisprudence and Ethics, History of Dentistry, Dental Practice.

VI. Major: Prosthodontology, Oral and Exodontal Surgery, Odontology, Parodontology. Thesis.

N. B. The VI. Year examinations both in Medicine and Dentistry are of a comprehensive nature, and the examiners are at liberty to include relevant questions in anatomy, physiology, pharmacology, Pathology, and the other fundamental sciences.

7. Regular examinations are held at the end of each term, but additional examinations and tests may be given in any subject at any time, at the discretion of the teachers. The results of such tests shall count in determining the final standing of the student.

8. When a course of instruction extends over more than one term, examinations shall include all work covered to time of examination and the final examination shall include the entire course in the subject.

9. However, in the case of a student having to repeat a year, other courses may be substituted for those which have been satisfactorily completed, at the discretion of the Dean and the heads of the departments concerned.

10. In the case of students transferring from other Medical Schools, this College can grant degrees only to such students as have successfully completed at least the two final years of its own course.

11. Aptitude Tests may be held at the end of the First Year and the results may be used in deciding the students' entrance into the Second Year.

12. The number of students entering this year is at present limited to 28, of whom 16 may be registered in the Faculty of Medicine and 12 in Dentistry.

13. A student who fails in any subject will be notified by the Registrar. For this purpose all students should inform the Registrar of correct *summer* postal address.

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MEDICINE AND DENTISTRY.

Prerequisite Course

The work in the prerequisite course is given by the staffs of the Colleges of Arts and Science. The details of the courses may be found in the Catalogue of the Colleges of Arts and Science.

PREREQUISITE COURSE. I YEAR SCIENCE.

	Term or half-year credits.
Chinese (Introduction to Chinese Culture)	3
English	8
Ethics	4
Biological Principles (Biol. 1-2)	8
Inorganic Chemistry (Chem. 1-2)	8
Physics (Phys. 1-2)	8
Mathematics (Math. 1-2)	6
Physical Training	
	45

I YEAR MEDICINE-DENTISTRY.

	Credits
Chinese	4
Religion or Ethics	2
Psychology (Phil. 1)	4
English	6
Second Foreign Language	3
Botany (Biol. 6)	4
Zoology (Biol. 19 or 20)	4
Organic Chemistry (Chem. 3-4)	6
Physics (Phys. 3-4)	8
Technical English	2
*Technical Drawing	2
Elective course in religion	1
Total	45 or 46

*Required of dental students only

MEDICINE.

Summary of Required Courses in Medicine.

ANATOMY.

Anatomy	I.	—	Osteology
"	II.	—	Gross Anatomy
"	III.	—	Histology
"	IV.	—	Embryology
"	V.	—	Oral Anatomy for Medical Students.

BIOCHEMISTRY.

Biochemistry	I.	—	Biochemistry

PHYSIOLOGY AND PHARMACOLOGY.

Physiology	I.	—	Introductory Physiology
" "	II.	—	Human Physiology
" "	III.	—	Neurology
" "	IV.	—	Physiology for Medical Students
Pharmacology	VII.	—	Materia Medica and Pharmacy
" "	VIII.	—	Pharmacodynamics.

PATHOLOGY.

Pathology	I.	—	Bacteriology and Immunology
" "	II.	—	Parasitology
" "	III.	—	Clinical Pathology and Biochemistry
" "	IV.	—	General Pathology
" "	V.	—	Applied Pathology
" "	VI.	—	Clinical Pathological Conference
" "	IX.	—	Special Oral Pathology and Bacteriology for Medical Students

INTERNAL MEDICINE.

Medicine	I.	—	Physical Diagnosis
" "	II.	—	Differential Diagnosis
" "	III.	—	Neurology and Psychiatry
" "	IV.	—	Internal Medicine
" "	V.	—	Dermatology
" "	VI.	—	O.P.D. and Interne Work

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PEDIATRICS

Pediatrics I. — Medical Pediatrics

HYGIENE AND PUBLIC HEALTH.—

Hygiene and Public Health I. — Public Health Hygiene
Hygiene and Public Health II. — Preventive Dentistry for Medical Students

SURGERY

Surgery I. — Surgery
" II. — Surgery
" III. — Orthopedics and Bone Surgery
" IV. — Venereal Diseases
" V. — Roentgenology
" VI. — Operative Surgical Technique
" VII. — Interne Work

OBSTETRICS AND GYNECOLOGY

Obstetrics and Gynecology I. — Theory and Practice of Obstetrics and Gynecology
Obstetrics and Gynecology II. — Practical Work in Obstetrics and Gynecology

OPHTHALMOLOGY AND OTOLARYNGOLOGY.

Ophthalmology I. — Ophthalmology
Ophthalmology II, — Clinical Opthalmology
Otolaryngology I. — Otolaryngology
Otolaryngology II. — Clinical Otolaryngology

DENTAL SUBJECTS.

I. Anatomy — Anatomy V.
Oral Histology and Embryology, — Anatomy IX.
Oral Physiology — Physiology IV.
II. Oral Pathology & Bacteriology — Pathology IX.
III. Preventive Dentistry — Hygiene and Public Health II.
Oral Surgical Technology IX.
Oral Medicine and Surgery VII.

THERAPEUTICS.

Therapeutics I. — Dietetics.
Therapeutics II. — Principles of Therapy
Therapeutics III. — Physiotherapy

TECHNICAL ENGLISH.

I For Medical Students

JURISPRUDENCE, ETHICS, HISTORY.

I. — Medical Jurisprudence
III. — Medical Ethics
V. — History of Medicine

FINAL YEAR THESIS.

INTERNE YEAR.

A year of twelve months rotating interneship among the clinical departments. The work of the interne in this year of practical instruction will be supervised by the head of the department in which he is working.

DENTISTRY.

Summary of Required Courses in Dentistry.

ANATOMY.

Anatomy I. Osteology
" " II. Gross Anatomy
" " III. Histology
" " IV. Embryology
" " VI. Odontal Morphology
" " VII. Applied Oral Anatomy
" " VIII. Comparative Oral Anatomy
" " IX. Oral Histology & Embryology

BIOCHEMISTRY.

Biochemistry I. Biochemistry
" " IV. Nutrition

PHYSIOLOGY & PHARMACOLOGY.

Physiology I. Introduction Physiology
" " Human Physiology
" " III. Neurology
" " V. Oral Physiology
Pharmacology VII. Materia Medica and Pharmacy
" " VIII. Pharmacodynamics
" " IX. Applied Oral Materia Medica

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PATHOLOGY & BACTERIOLOGY.

Pathology	I.	Bacteriology and Immunology
" "	III.	Clinical Pathology and Biochemistry
" "	IV.	General Pathology
" "	VI.	Cl. Path. Conference (5th Yr.)
" "	VII.	Oral Pathology
" "	VIII.	Oral Microbiology

INTERNAL MEDICINE.

Medicine	I.	Physical Diagnosis
" "	II.	Differential Diagnosis
" "	IV.	Internal Medicine

SURGERY.

Surgery I	Surgery

ORAL SURGICAL TECHNOLOGY.

Surgical Technology	I.	Anaesthesia Technology
" " "	II.	Oral Surgery Technology
" " "	III.	Odontal Surgery Technology
" " "	IV.	Parodontal Surgery Technology
" " "	V.	Prosthodontal Surgery Technology
" " "	VI.	Orthodontal Surgery Technology
" " "	VII.	Oral Electro-Diagnosis and Therapeutics
" " "	VIII.	Animal Operative Surgery

ORAL LABORATORY TECHNOLOGY.

Laboratory Technology	I.	Dental Materials & Instruments
" " " "	II.	Oral Technical Drawing
" " " "	III.	Applied Oral Photography

ORAL MEDICINE & SURGERY.

Medicine & Surgery	I.	Odontology
" " "	II.	Oral Surgery & Medicine
" " "	III.	Parodontology
" " "	IV.	Orthodontology
" " "	V.	Oral Diagnosis
" " "	VI.	Prosthodontology, *a* and *b*.

HYGIENE & PUBLIC HEALTH.

Hygiene & Public Health	I.	Public Health & Hygiene
Hygiene & Public Health	III.	Preventive Dentistry

OTOLARYNGOLOGY.

Otolaryngology	I.

CLINICAL DENTISTRY.

Clinical Dentistry	I.	Clinical Conferences
" "	II.	Interne Year

TECHNICAL ENGLISH.

II. For Dental Students

JURISPRUDENCE, ETHICS, HISTORY, PRACTICE.

II. Dental Jurisprudence
IV. Dental Ethics
VI. History of Dentistry
VII. Dental Practice and Economics

FINAL YEAR THESIS.

INTERNE YEAR.

A year of twelve months rotating interneship among the clinical departments. The work of the interne in this year of practical instruction will be supervised by the several heads of the departments concerned.

DEPARTMENT OF ANATOMY

*Morse, W. R., *Head of the Department.*
Beh, Y. T., *Acting Head of the Department*
Agnew, R .G.,
Chang, M. C.,
Chen, H. G.
Lindsay, A.W.,
*Morse, A. C.,
Mullett, H. J.
*Yen, Y.,

Students entering upon the work of this department are required to furnish at their own expense:—

(*a*) Oil-cloth aprons and sleeves.

(*b*) Dissecting instruments, approximate cost $10.00.

(*c*) Sets of bones may be rented $2.00 per set per year. The following courses of instruction are offered:

Anatomy I.

OSTEOLOGY.

This course includes a thorough drilling on the bones of the human body; some comparative anatomy of the bones of domestic animals; the bony landmarks of the human body; drawings of human bones and considerable anthropological data and physical measurements. This course is mainly applied osteology and the bones of the part dissected are studied whilst the student is dissecting the part. A complete "half" set of bones is suspended over each dissecting table for continual reference during dissection.

Anatomy II.

GROSS ANATOMY.

Gross Anatomy is taught during the first year, but it is also closely correlated with the late years of the course through demonstrations and lectures in Applied Anatomy.

Histology and Embryology are also taught in the first year.

The object of the anatomy course is not to train anatomists but to teach and inspire undergraduates to become competent practitioners.

In gross anatomy groups of four to six students are given one body which they completely dissect, as far as possible in continuity. Similar parts are dissected simultaneously on all bodies in the dissecting room and a careful comparative study of all tissues, organs, anomalies, etc., is compulsory. Tables of comparisons of the bodies are prepared and illustrated by the students.

Instructors are in the dissecting room at all times but the student is given every opportunity to develop individuality.

Students are assigned special anatomical problems and are required to give written and pictorial evidences of their findings. These problems are along the line of research and the aim is to encourage independent thinking. These problems compel the student to examine and compare findings in all the bodies, and to refer to reference books under guidance.

Students are required to make frequent drawings of their own dissections with special emphasis on all abnormalities that are found. They are also required to make drawings of cross sections of male and female bodies. Complete sets of these cross sections are available.

No stated course of lectures is given. Printed notes are given on a correlated study of all the tissues from the brain to the finger. Frequent informal talks with practical demonstrations of applied significance of the student's own dissection are given. Gross pathological condition found in the subjects are made the basis of short explanatory discussions. Surgical procedures are demonstrated on necessary occasions. Blackboard notes are frequently written, on special regions, structures, methods, etc. Special anatomy note-books containing the blackboard work and the student's own drawings are required.

This course definitely attempts to correlate the anatomy department with all the other preclinical subjects, and in particular with physiology, as well as with all the clinical departments. Little theory but much practice is our goal. A brief course on the physiology of the organ is given while dissection is going on.

English terms are freely used and lecture talks are given both in the Chinese and English languages.

Examinations, oral and written, are held as considered necessary. Final marks depend largely on the proficiency, skill, and conduct of the student in the dissecting room.

Text and Reference Books:—The following are in constant use in the dissecting room:

In Chinese—Cunningham's Practical Anatomy, Gray's Anatomy and Rawling's Landmarks and Surface Markings.

In English—Gray, Piersol, Morris, Cunningham, Toldt, Sabotta-McMurrich, Ranson, Quain, Herrick, Frazier, Keiller, Bianchi, Radash, Santee, Arey, Edinburgh Stereoscopic Anatomy. Piersol's and Frohse Charts, and over one hundred charts drawn locally, Spalteholtz, and Morse's Anatomy Notes.

In French—Poirier, Charpy and Nicholas.

Applied and Clinical Anatomy—Campbell, Davies, Treves, Skirving, Callander, Massie, Eycleshymer and Jones, Deaver, Bowen and Mackenzie, Keith, Lehrbuch der Anthropologie, etc.

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Anatomy III.

HISTOLOGY.

Second year ; six hours per week in Fall Term and three hours per week in Spring Term. A course of lectures with practical work, including the preparation and examination of slides. Text: "Histology", Lewis-Shield; Reference: "Normal Histology", Piersol.

Anatomy IV.

EMBRYOLOGY

Second year ; three hours per week, in Spring Term. Special reference is made to the embryos of amphioxus, frog, chick, pig and man. In the practical work, careful studies are made of transverse and sagittal section of the embryos of the frog, chick and pig. Reference: "Laboratory Text Book of Embryology," Minot; "Atlas D'Embryologie," Duval, "Text Book of Embryology," Bailey and Miller. "Human Embryology," Kiebel & Mall.

Anatomy V.

ORAL ANATOMY FOR MEDICAL STUDENTS.

A brief course emphasizing such phases of oral anatomy as will familiarise the medical student with the dental field will be given. See Dental Subjects I.

Anatomy VI.

ODONTAL MORPHOLOGY.

The course consists of both didactic and laboratory instruction. The student will be given opportunity by modelling and carving to perfect his ability to secure form, proportion and relationships of the teeth.

Anatomy VII.

APPLIED ORAL ANATOMY.

The course will begin with a review of the anatomy of the base of the Cranium, the Face and the Neck. Landmarks and structures will be studied to prepare the students to take up the study of Surgical Techniques, Diagnostic Interpretations, and Regional Anaesthesia.

Anatomy VIII.

COMPARATIVE ORAL ANATOMY.

The subject will be treated from the evolutionary, anthropological, and endocrinal standpoints.

Anatomy IX.

ORAL HISTOLOGY AND EMBRYOLOGY

Didactic instruction covers the embryology of the various oral structures, the growth of the jaws, and the minute study of the histological characteristics of the teeth, their investing tissues and adjacent structures. This is illustrated in the laboratory with non-decalcified and decalcified microscopic material. In addition the student is taught to perform the simpler procedures in the preparation of oral tissues for microscopical examination.

Reference Works: Orban, Gottlieb, Noyes, Beust, Bödecker, Mummery, Churchill.

Anatomy X.

ORAL HISTOLOGICAL RESEARCH

Research in the field of Oral Histo-Anatomy is carried on, and members of the staff, or students with suitable qualifications, are invited to undertake the investigation of specific problems, under the supervision of the Professor in charge.

Anatomy XI

ORAL HISTOLOGY & EMBRYOLOGY FOR MEDICAL STUDENTS

A short course briefly summarizing such facts concerning the microscopic structure and the development of the teeth as are indispensable to the Medical student.

See Dental Subjects I.

For introductory course in Physiology to students of Anatomy, see Physiology I.

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Department of Biochemistry.

*Collier, H. B., *Head of the Department*
Lan, T. H., *Acting Head of the Department*
Agnew, M. C.,

Biochemistry I.

Elementary Biochemistry.

Lectures, 2 hours per week during the Fall Term, 3 per week in the Spring Term. Laboratory, 5 hours per week throughout the year. Second Year.

A course in elementary Biochemistry including the chief properties of biochemical materials, and the fundamental principles underlying biochemical reactions. Special emphasis is laid on the physico-chemical properties of protoplasm.

The laboratory course includes experiments to illustrate the chemical properties of biochemical materials, and selected quantitative methods.

Texts: Cameron: "Textbook of Biochemistry."
Bodansky & Fay, "Laboratory Manual of Physiological Chemistry."

Reference: Bodansky, "Introduction to Physiological Chemistry."
Mathews, "Physiological Chemistry."
Hawk & Bergeim, "Practical Physiological Chemistry."
Cole, "Practical Physiological Chemistry."

Biochemistry II.

Advanced Biochemistry.

Two lectures and five hours laboratory per week throughout the year. This course may be given to advanced students in Science, and other special students.

About one half of the lecture course is devoted to nutrition. The remainder of the course includes special aspects of biochemisty, such as hydrogen-ion concentration, enzymes, biological action of light.

The laboratory course lays special emphasis on quantitative and physico-chemical methods, as applicable to biochemical research.

Texts: Lusk: "Science of Nutrition."
Sherman: "Chemistry of Food and Nutrition."
McCollum & Simmonds: "The Newer Knowledge of Nutrition."
Pryde: "Recent Advances in Biochemistry."
Clark: "The Determination of Hydrogen Ions."

Biochemistry III.

Nutrition.

This course takes up the newer knowledge of nutrition in its special dental relations. Also enlarges on the chemical phases of health and disease as related to the oral cavity and the teeth.

Department of Clinical Dentistry.

Agnew, R. G.
Campbell, W. G.
Chang, C. H.
Chen, G. H.
Cheo, H. F.
Djang, S. L.
Hsia, Y. S.
Liao, W. Y.
Lindsay, A. W.
Mullett, H. J.
Yü, D. M.
*Whang, T. C.

Clinical Dentistry I.

Clinical Conferences

The fourth and fifth year students will be required to attend clinical conferences.

Ten cases of prophylaxis must be carried through to completion by each student of the fifth year.

Clinical Dentistry II.

Interne Year

The Interne year of the course in dentistry opens on the day following Commencement and continues for one year.

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Holidays: Two weeks during the year. Any student absent for more than one month, holidays included, shall be required to make up lost time before diploma is granted.

The student in the University Dental Clinic or in other university hospitals is required to complete all cases assigned. Full opportunity is offered to students to acquire operative skill and to gain experience in meeting the demands of a dental practice.

Department of Hygiene and Public Health

Crawford, W., *Head of the Department.*
Lindsay, A. W.
Parfit, N.
Parfit, J.

Hygiene and Public Health I.

Hygiene and Public Health.

An intensive course of 75 hours for the fifth year students of Medicine and Dentistry, which includes lectures, demonstrations, covering History of Public Health, advances in the branches of Epidemiology, Vital Statistics, Public Health Administration, with especial attention to its application to West China. In addition, the student studies water, sewage, and sewage disposal, ventilation, school health, scoring of private and public institutions, and the inspection of and methods for food control.

In all courses the liberal use of the several epidiascopes at the disposal of the college is made. The department has a good supply of film slides as well as glass slides, for use in the course.

Hygiene and Public Health II.

Preventive Dentistry for Medical Students.

The various preventive measures will be discussed and examples of western world experiments in this field will be noted.

Suggestions as to possible preventive programs for China will be covered.

Hygiene and Public Health III.

Preventive Dentistry.

All phases of oral health and the preventive field will be studied.

A dental hygiene program for China will be presented and discussed. Students will be required to make studies of dental health conditions in Chengtu and to prepare suggestive health programs.

Hygiene and Public Health IV

Hygiene and Public Health.

A course for university freshmen, compulsory for all students outside of the college of Medicine and Dentistry. The course includes health values, nutrition, disease prevention, communicable diseases and their control, water, waste, ventilation, heating and lighting, hygiene of schools and public buildings, scoring of same.

Here the epidiascope and film slides are made use of for the teaching course. Course includes one hour per week for the Fall term fourth year.

Hygiene and Public Health V.

Course for Theological School Students.

This course includes history of medicine how we "catch" disease, control of epidemics, vaccination and immunization, first aid, health training in outstations, "Health clubs."

Textbooks and Reference Books:—

Nelson's Loose Leaf Medicine, Vol. VI.

Rosenow; Fitzgerald; Overton and Denno.

Kenwood and Parker; Williams, Currie, MacNutt.

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Department of Internal Medicine.

Best, A,E. *Head of the Department.*
Anderson, H.G.
*Du, S.D.
*Lenox, J.E.
Lo, G.B.
Millar, J.E.
Lousley, H.M.
Tsao, D.L.
Gin, S. Y.

Medicine I.

Physical Diagnosis.

Four hours per week in the spring term of the third year. Lectures, demonstrations and case study aiming to link up the preclinical courses with physical findings in the normal and diseased, and initiate the students into the technique of physical examination.

Medicine II.

Differential Diagnosis.

Two hours per week in the fall term of the fourth year. The fundamental principles (acquired in the preclinical training) involved in analysis of the various symptoms of ward patients are systematically discussed and detailed individual instruction given in the wards as under Medicine IV on assigned cases is made to harmonize as far as possible with this course.

Medicine III.

Neurolgy A.

This course is given in the Department of Physiology and Pharmacology (See Physiology IV.)

Neurology B.

Two hours per week of lectures, demonstrations and case analysis, given in the fall term of the fourth year.

Psychiatry.

One hour per week in the fall term of the fifth year. A series of lectures and studies on cases seen in the hospital wards and in the City Asylum.

Medicine IV.

Internal Medicine.

Four hours per week in the fall term of the fourth year.

Eight hours per week in the spring term of the fourth year.

Eight hours per week throughout the fifth year.

a. Case taking in the wards, in small groups and clinics on the cases assigned.

b. Reading on topics systematically assigned, and discussion hours to which the students are required to come prepared with what their text books have to say on the subject of the day.

c. Lectures and demonstrations on intra-thoracic tuberculosis.

Medicine V.

Dermatology and Venereal Disease.

a. Dermatology.—One hour per week during the spring term of the fourth year, didactic, demonstrations and case study.

b. Venereal Diseases.—One hour per week during the spring term of the fourth year. The theoretical and practical aspects of etiology, pathology, diagnosis and treatment of the major venereal diseases are taught, and the social and public health aspects of these diseases emphasized.

Medicine VI.

During the fifth year the students are regularly assigned cases among the inpatients on the medical wards. In the Outpatient Department they are placed on a rotating service for all the Departments, where their work is closely supervised by staff members.

The sixth (final) year is entirely of interne work in the three hospitals, where the students are placed on a rotating service according to a definite schedule so outlined as to insure the maximum time in those departments where most experience is required.

Internal Medicine for Dental Students.

The aim in these courses is to lead the student to understand the fundamental principles underlying the etiology and main symptomatology of disease in the human body, with special reference to the part played by oral disease.

Third year, spring term, Medicine I

Fourth year, fall term, Medicine II.

Fourth year, fall and spring terms, Medicine IV, (a) and (b).

Internal Medicine, Subdivision of Pediatrics.

Medical Pediatrics.

Three hours per week, didactic and ward work, throughout the fifth year, dealing with the normal development and growth of infants, nutrition and nutritional disorders, infant feeding and preparation of foods, diseases of infancy and childhood. Pediatrics is included in the rotating schedule for the Outpatient Department.

During the interne year the students spend a definite part of their time on the pediatric service.

Textbooks—Chinese:

English:

Principles and Practice of Medicine—Osler
Clinical Methods—Hutchison and Rainy
Diseases of the Skin—Heimburger
Insanity in Everyday Practice—Younger.
The Practice of Medicine—Price
Textbook of Medicine—Cecil
Diseases of Infancy and Childhood—Holt and McIntosh

References:

Loose-leaf Medicine—Nelson
Differential Diagnosis—French
Diseases of the Chest—Norris and Landis
Tuberculosis in the Child and Adult—Pottenger
Introduction to Pulmonary Tuberculosis—Wingfield
Diseases of China—Maxwell.
Tropical Medicine—Manson-Bahr
Tripical Diseases—Stitt
Diseases of the Digestive System—Bassler

Nervous Diseases—Church and Peterson
Diagnosis of Nervous Disease—Purves Stewart
Diseases of the Skin—Stelwagon
Mental Diseases—Gulick
Physical and Radiological Signs of Pulmonary Tuberculosis—Crocket
Applied Physiology—Wright
Applied Pharmacology—Clark

Department of Obstetrics and Gynecology.

*Liljestrand, S. H., *Head of the Department.*
Hsieh, Helen Y., *Acting Head of the Department.*
*Cunningham, G. S.,
*Manly, M. E.,
Hsiung, B. S.

Obstetrics and Gynecology I.

Theory and Practice of Obstetrics and Gynecology.

Four hours a week throughout the fourth year. Lectures and demonstrations.

This course includes:

a. Anatomy and physiology of the pelvic organs.

b. Pregnancy and mechanism of normal labor.

c. Complications and diseases associated with pregnancy.

d. Etiology, pathology, symptomology, diagnosis of gynecological conditions. Principles of treatment.

Obstetrics and Gynecology II.

Practical Work in Obstetrics and Gynecology.

Fifth year. Given at the Hospital for Women and Children, and in the Gynecologic and Prenatal Clinics of the Union Out-patient Dispensary.

a. Gynecology. As clinical clerks and internes the students study individual cases as to history, diagnosis and treatment. They also follow the pre-operative, operative and

post-operative care of patients. Weekly ward rounds, quizzes and conferences. Diagnostic work in the out-patient department, with drill in History-taking and Methods of Examination.

b. Obstetrics. In the lying-in wards are given: management of parturition, care of the new-born; manikin demonstrations, ward rounds; prenatal and postnatal clinics in the out-patient department.

c. Gynecologic and Obstetrical Pathology. Weekly meetings for the study of pathologic tissues by means of microscopes and projectors, using sections and gross specimens, with case histories. Spring term, fifth year.

ELECTIVE COURSES FOR INTERNES AND GRADUATES.

Obstetrics and Gynecology III.

Female Urology. Clinical demonstrations of the role of the urinary tract in gynecology and exercises in cystoscopy, ureteral catheterization and radiography.

Pathology. Gross and microscopic studies, including bacteriology of the genito-urinary tracts.

Textbooks:

DeLee: Obstetrics.
Kelly: Gynecology.
Graves: Gynecology.

DEPARTMENT OF OPHTHALMOLOGY

*Cunningham, E. R. — *Head of the Department*
R. A. Peterson — *Acting Head of the Department*
C. R. Pen
C. C. Teng

Ophthalmology I

OPHTHALMOLOGY

A combined didactic and demonstration course of forty-five hours given in the fifth year on methods of examination, use of instruments, diagnosis and treatment of diseases of the eye. Clinical material from the out-patient department will be used.

Ophthalmology II.

CLINICAL OPHTHALMOLOGY

During the interne year each student, in rotation, will have the opportunity for intensive study of ophthalmology while serving in the department. Under the tutelage of the staff the student will be given the opportunity to assist in the investigation and medical or surgical treatment of all patients on the service. A large part of the student's time will be spent in the out-patient clinic observing and assisting in the examination, diagnosis and treatment of patients. Emphasis will be placed upon the evidence of general systemic disease as seen in the eye.

Textbook: Disease of the Eye, May (Chinese edition).
Reference: Disease of the Eye, De Schweinitz.
Disease of the Eye, Parsons.
Text Book of Ophthalmology—Fuchs (Duane)

DEPARTMENT OF OTOLARYNGOLOGY.

Peterson, R. A. *Head of the Department*
Pen, C. R.

Otolaryngology I.

OTOLARYNGOLOGY

A lecture and demonstration course of 54 hours in the fifth year. The course covers the special anatomy and physiology of the ear, nose and throat in its application to the various abnormal conditions seen in the clinic. Methods of examination, diagnosis and treatment of the various pathological conditions will be correlated through special studies, lectures and clinical demonstrations. Fourth year students will attend in rotation at least 24 hours of outpatient clinics.

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Otolaryngology II.

CLINICAL OTOLARYNGOLOGY.

A clinical course of 72 hours for the sixth year students. This will be an applied course using the out patient ward and surgical services as a basis for study of the application of the various measures necessary to treat efficiently the more usual otolaryngological conditions.

Textbook :—Porter, "Diseases of the Throat, Nose and Ear" (Chinese).

Reference Books :—

Turner, Diseases of the Throat, Nose and Ear
Phillips, Diseases of the Ear, Nose and Throat.
Kerrison, Disease of the Ear.

Graduate Study in Ophthalmology and Otolaryngology.

The Departments of Ophthalmology and Otolaryngology give a graduate course of two years' duration. Two applicants are accepted on the first of July of each year. The course is open to graduates of medical colleges recognized by the Chinese Medical Association who have completed at least one year's interneship in an approved hospital. During the first year the incumbent serves as assistant resident. The second year the student acts as resident, both years being spent at the Chengtu Eye, Ear, Nose and Throat Hospital, where the cliniel teaching and research activities of this department are carried on. A thesis is required during the second year and a diploma is granted by the West China Union University on the satisfactory completion of the course and final examination.

In the Department of Ophthalmology, the elementary science underlying the study of ophthalmology, will constitute the basis of study for the first year. Anatomy, including Embryology and Histology, Physiology, including Physiological Optics, Biochemistry and Pathology and Bacteriology, will be studied during the first year in their relation to the eye as an integral part of the body mechanism. Elementary Optics will also be covered this first year. During the second year, courses, demonstrations and clinics will be given in the following subjects; External Disease of the Eye, Refraction, Diseases of the Retina and Optic Nerve. Disease of the Uveal-Tract. Diseases of the Retina and Optic Nerve, Perimetry, Medical Ophthalmology, Slit Lamp Microscopy, Ultra-Violet therapy as applied to the Eye, Motor Anomalies with especial emphasis on the various forms of treatment of Squint, Radiology as applied to eye conditions and Operative Surgery of the Eye.

In this course, graduate work in the Department of Otolaryngology will, during the first year, concentrate on the coordination of the basic principles of Anatomy, Physiology, and Pathology as related to the Ear, Nose and Throat. Special emphasis will be laid on the application of the principles of physics and chemistry as exemplified in the structure and functions of the constituent areas under study. A detailed study and dissection of the head and neck will be made. The student will make a collection of plaster casts from his dissection, from anatomical specimens and from patients, to illustrate anatomical and pathological relations. The dispensary and inpatient services will be fully utilized in the clinical application of the various principles studied. In the second year, an intensive survey of the field of otolaryngology will be made utilizing laboratory and clinical demonstrations, lectures and required reading. Operative surgery will be taught beginning with anatomical specimens and continuing in the laboratory and in the operating room clinics. Full use will be made of clinical and pathological laboratory facilities in diagnosis and study. Various forms of light therapy, ultraviolet therapy, the use of radiological measures in diagnosis and treatment, and studies on the relation of diet and environment to deviations from the normal will be made.

It is expected that other Departments of the University will cooperate in the giving of courses of lectures on the relation between their departments and the fields of ophthalmology and otolaryngology. In addition to his collection of casts, each student will have a collection of microscopic slides from various cases studied throughout the two years. Definite problems in sequence will be assigned for study and every facility will be afforded for making original investigations. A stipend conforming to the scale of University salaries for these grades of appointment will be paid to the incumbent.

For shorter periods graduate students will be admitted to any of the undergraduate courses and to parts of the two

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year graduate course. Intensive courses planned to suit the individual needs of the applicant may be arranged in the department. The student should consult the general section of this catalogue for information concerning fees for post-graduate work in these departments.

Texts and Reference books include the following:

Anatomy of the Human Orbit, Witnall
The Development of the Human Eye, Mann
Anatomy and Histology of the Human Eye Ball, Salzmann
Recent Advance in Ophthalmology, Duke-Elder
Human Physiology, Starling
Medical Ophthalmology, Foster Moore, Knapp
An Introduction to Clinical Perimetry, Traquir
Diseases of the Eye, Parsons
Koby's Slit Lamp Microscopy of the Living Eye, Goulden and Harris.
Refraction of the Eye, Goulden
Pathology and Bacteriology, Collines and Mayou
Ophthalmology, Fuchs
Diseases of the Eye, De Schweinitz
Tropical Ophthalmology, Elliott
Ophthalmic Surgery, Meller
Neoplastic Diseases, Ewing
Operative Surgery of Nose, Throat and Ear, Loeb
Diseases of the Ear, Kerrison
Plastic Surgery, Gilies
Diseases of the Nose, Throat and Ear, Jackson and Coates.
Diseases of the Nose, Throat and Ear, Turner
Modern Otology, Keeler
Bronchoscopy and Esophagoscopy, Jackson
Pathology of the Nose and Throat, Beck
The Tonsil, Fowler
Texts by Keith, Skillern, Davis, Sluder, etc., also available.

Department of Oral Laboratory Technology.

Mullett, H. J., *Head of the Department*
Albertson, W. B.,
Chin, H. T.,
Liao, W. Y.

Laboratory Technology I.

Dental Materials and Instruments

The purpose of the course is to have the student become familiar with the physical and chemical properties of the materials that become a part of dental restorations and appliances, and the materials that are accessory to the construction and placement of the same. Also, the subject includes instruction on the manipulation of these materials on a scientific basis.

The principal materials dealt with are impression compounds, gypsum products, amalgams, waxes, abrasives, silver, gold, platinum and other alloys as used in dentistry, mercury, dental cements, dental porcelains, vulcanite and other materials for denture bases. Attention is also given to manipulative processes of the various materials from a dental point of view, such as making impressions, making casts or models, making wax patterns, amalgamation, soldering, casting, electro-forming and electroplating, baking porcelain, and vulcanizing rubber.

The various instruments used in the laboratory and at the chair are discussed in respect to their manufacture, classification of various types, cutting angles, methods of use, sharpening, and general care of instruments and equipment.

Laboratory Technology II.

Oral Technical Drawing

This course is designed to meet a distinct need which arises in any scientific profession, both prior to, and following graduation, namely, the need for accurate illustration, and for training in the habits of accurate observation. The student is incidentally assisted in the training of the fingers, so essential in instrumentation, and in the cultivation of a sense of touch.

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The course comprises—elementary perspective, freehand drawing of form and outline, elementary principles of light and shade, anatomical drawing, particularly of the head, teeth, investing structures, drawings of instruments and appliances, etc. Models, etc., are so chosen as to correlate work with the needs of the various departments.

Laboratory Technology III.

APPLIED PHOTOGRAPHY

Cameras, adjustments, lenses, shutters, screens, plates, films, lighting exposure, developing, illumination, especially of oral cavity and dental objects, enlarging and reduction; printing; lantern slides, photomicrography.

DEPARTMENT OF ORAL MEDICINE AND SURGERY

Agnew, R. G., *Head of the Department.*
Lindsay, A. W.,
Mullett, H. J.,
*Whang, T. C.,
Campbell, W. G.

Medicine & Surgery I.

ODONTOLOGY.

Odontal Technology, Histology, Pathology, Physiology, Therapeutics, etc., will be reviewed and applied to a consideration of the causes, diagnosis and treatment of the diseases and lesions, the defects and malformations, of the dentine, the enamel and the pulp tissues of the teeth.

Medicine & Surgery II.

ORAL SURGERY & ORAL MEDICINE.

Diseases and lesions of the mouth and its associated structures, other than those of the teeth and their immediately associated tissues will be studied and discussed in their local, general and specific manifestations.

Medicine & Surgery III.

PARODONTOLOGY.

The course treats of the disease processes occurring in the tissues immediately surrounding or adjacent to the teeth. Application of preclinical studies in dental embryology, histology and physiology is made, and the relationship between form and function is emphasized. The etiology of the various types of gingivitis and parodontoclasia is discussed in their local and systemic aspects, and the principles and rationale of treatment are discussed. Interrelationships with other branches of dental science, and systemic lesions resulting from parodontal foci of infection are studied. The social and economic aspects of the subject, due to the general prevalence of parodontal disease in China are given special attention.

Text and Reference works: Merritt, Box, Sorrin & Miller, Stillman & McCall, Neumann etc.

Medicine & Surgery IV.

ORTHODONTOLOGY.

The course will take up bone growth and muscle function, evolutionary and racial influences, etc., of normal and abnormal occlusions. It will discuss history, etiology diagnosis, treatment and prognosis of malocclusions of the teeth and jaws.

Medicine & Surgery V.

ORAL DIAGNOSIS.

Students are taught the principles and practice of history taking, case reports and the the making of a diagnosis.

The procedures and value of making full and careful mouth examinations, using all diagnostic methods available, will be covered.

Medicine and Surgery VI.

PROSTHODONTOLOGY *(A)*.

The various structures of the mouth are reviewed and discussed as they are related to artificial dentures. The whole procedure of the making of dentures is discussed under the headings of examination of the mouth, design of suitable appliances, impression taking, construction and insertion.

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Attention is given to retention, distribution of stresses, the study of facial types, preservation of harmony in form, color and arrangement of teeth, mandibular movements and balanced occlusion.

Medicine and Surgery VII

PROSTHODONTOLOGY *(B)*

Students receive instruction in the various principles underlying crown and bridge restorations.

ORAL MEDICINE & SURGERY FOR MEDICAL STUDENTS.

The subject matter of the several oral specialties will be taken up briefly and all the co-relationships between medical and dental practice will be stressed.

DEPARTMENT OF ORAL SURGICAL TECHNOLOGY

Whang, T. C., *Head of the Department.*
W. G. Campbell, *Acting Head of the Department.*
Agnew, R. G.,
Djang S. L.,
Hsia Y. S.,
Lindsay, A. W.,
Mullett, H. J.

Surgical Technology I.

ANAESTHESIA TECHNOLOGY.

The course will take up the technique of all the branches of anaesthesia used in dentistry. Particular stress will be given to Regional Anaesthesia.

Surgical Technology II.

ORAL SURGERY TECHNOLOGY.

The course covers all the surgical procedures employed in the cure or eradication of diseased tissues of the mouth, other than those of Odontal Surgery and Parodontology.

Surgical Technology III.

ODONTAL SURGERY TECHNOLOGY.

Techniques will be taught covering the restoration of lost tooth tissue and function; the protection of the pulp; the exclusion of moisture; root-canal surgery, etc.

Surgical Technology IV.

PARODONTAL SURGERY TECHNOLOGY.

The course covers various aspects of surgical technique as applied to the treatment of parodontal disease. This includes general prophylactic procedures; apoxesis and curettement, radical and conservative methods; application of pressure atrophy, etc. The principles governing balanced occlusal relationships are applied in the production of gliding articulation and harmonious functioning of the teeth. Manikin technique is largely employed in the course.

Surgical Technology V.

PROSTHODONTAL SURGERY TECHNOLOGY.

(a) The student applies the principles set forth in his lectures on the subject, such as the taking of impressions, construction of models, the arranging and articulating of full and partial dentures, waxing, flasking, packing, vulcanizing, finishing; construction of splints for fractured jaws, the design and construction of obturators, etc., etc.

(b) Techniques for the various types of crowns and bridges will also be covered.

Surgical Technology VI.

ORTHODONTAL SURGERY TECHNOLOGY.

The construction of regulating and retaining devices receive consideration.

Surgical Technology VII.

ORAL ELECTRO-DIAGNOSIS & THERAPEUTICS TECHNOLOGY.

The course is designed to teach the technique of operation and use of X-ray machines, trans-illuminators, pulp testers, ionization, ultra-violet-ray apparatus, infra-red and diathermy.

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Surgical Technology VIII.

ANIMAL OPERATIVE SURGERY.

A series of experimental operations will be conducted on dogs and other animals illustrating and employing surgical methods used in the treatment of various oral diseases.

Surgical Technology IX.

ORAL SURGICAL TECHNOLOGY FOR MEDICAL STUDENTS.

Oral techniques of value to the physician will be covered.

DEPARTMENTS OF PATHOLOGY.

Williams, T. H., *Head of Division I*
Agnew, R. G., *Head of Division II*
Cheo, H. F.
Chow, H. D.
*Du, S. D.
*Lenox, J. E.

Division I.

Pathology I.

BACTERIOLOGY AND IMMUNOLOGY.

Third year, fall term, seven hours per week.

(*a*) Lectures. These include the history, development and scope of bacteriology, methods of culture and study, classification and biological properties of bacteria and their part in disease processes, in industry and in assisting natural processes. Special detailed study is given to those organisms met with in medical practice and in epidemics occurring in the Orient. The relation of bacteriology to Public Health and to commerce, theories and types of immunity, and serum reactions are described.

(*b*) Laboratory. This course includes general laboratory technique, staining, the making of media, the cultivation and examination of bacteria, the identification of the more common forms of pathogenic micro-organisms, and the making of vaccines.

Pathology II.

PARASITOLOGY.

Third year, two hours per week in the Fall term and three hours per week in the Spring term.

(*a*) A complete course on the biological, clinical, and preventive aspects of the animal parasites of men, their intermediate and reservoir hosts and vectors, with demonstrations and student diagnosis of fresh and preserved material.

(*b*) An opportunity is offered for intensive study of parasite infestation in this province.

Pathology III.

CLINICAL PATHOLOGY AND BIOCHEMISTRY.

Third year, spring term, six hours per week. This course includes a study of the theory and practice of the chemical, microscopic and other laboratory methods commonly used in the diagnosis of disease. It is mainly a laboratory course.

Textbook: Stitt, "Blood Work and Body Fluids" (Chinese).

Reference: Todd and Sanford, "Clinical Diagnosis by Laboratory Methods" (English).

Pathology IV.

GENERAL PATHOLOGY.

Nine hours per week in the Spring term, third year.

A series of lectures and demonstrations in gross and histological morbid anatomy, illustrated by museum specimens and microscopic slides, together with instruction in the preservation of tissues, section cutting and staining.

Pathology V.

SPECIAL PATHOLOGY.

Nine hours per week in the Fall Term fourth year.

Three hours per week in the Spring Term fourth year.

A series of lectures and demonstrations illustrated as in General Pathology by specimens dealing with the pathological findings in Internal, Surgical (including tumours), Obstetrical, Gynecological. Ophthalmological, Oto-rhino-laryngological and allied disease. Where possible, post-mortem demonstrations will be given.

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Pathology VI.

CLINICAL PATHOLOGICAL CONFERENCES.

One hour weekly during the fourth and fifth years. Joint conferences on such instructive cases and autopsy material as are available, the clinical presentation being made by the internes concerned.

Text-books:—

Zinsser's Bacteriology (Chinese).
Stitt's Practical Bacteriology, Parasitology and Blood Work (Chinese).
Stengel's Pathology (Chinese).
Clinical Methods—Hutchinson and Rainy (Chinese).

Reference Books:—

Boyd: Surgical Pathology and Pathology of Internal Disease.
McCallum: Pathology
Recent Advances in Haemocytology
Mackie: Introduction to Bacteriology
Stitt: Practical (Clinical) Pathology
Yorke: Parasitology
B.M.R.S. System of Bacteriology
Sahli: Diagnostic Methods
Delafield and Prudden: Pathology
Ewing: Neoplastic Diseases
Mollory; Pathologic Histology
Blackstock and Southwell: Parasitology.

Division II

Pathology VII.

ORAL PATHOLOGY.

Subsequent to the course in General Pathology a lecture course with demonstrations is given, dealing with the diseases of the mouth. The study includes pathological conditions of the enamel, dentine, pulp, pericementum, cementum, gingivae, alveolar and supporting bone, oral mucosa, maillae, temporo-mandibular joint, etc. In addition to characteristic lesions of the mouth, and oral manifestations of systemic disease, systemic disease resultant from oral foci of infection receives special attention.

The laboratory course illustrates the more important

aspects of oral histopathology, utilizing non-decalcified and decalcified microscopic material. Methods of preparation of pathological material for examination are demonstrated, and the student is taught to perform the most useful of these processes.

Collateral reading from current dental and medical literature is assigned.

Pathology VIII.

CLINICAL ORAL PATHOLOGY AND BIOCHEMISTRY.

This course is given in the fifth year, when the student is in a position to correlate his preclinical and clinical work. Having already covered the general course in Clinical Pathology and Biochemistry, the student is now taught the application of general methods and the introduction of special oral methods in the diagnosis of oral disease, and of systemic disease caused or arising from oral lesions. Chemical, microscopic and other methods of examination are covered, with emphasis upon nutritional studies.

Pathology IX.

SPECIAL ORAL PATHOLOGY AND BACTERIOLOGY FOR MEDICAL STUDENTS.

The course covers a consideration of oral manifestations of systemic disease, and the relation of oral foci of infection to systemic disease. Oral diseases *per se* are briefly discussed.

Text and Reference Works: Kronfeld, Bunting, Gottlieb, Box, Marshall, Goadby, Moorehead & Dewey, Appleton, Black, Fish, Orban, Colyer, Bulleid, Bodecker, Euler & Meyer, Häupl & Lang, Prinz. Haden, Siegmund & Weber, Stillman & McCall, Beust, Hopewell-Smith, Rosenau, Waldron, Cahn, etc.

Pathology X.

Oral Pathological Research:

Research in the field of dental and oral pathology is regularly carried on, and members of the College staff or students with suitable qualifications are invited to undertake the investigation of specific problems under the supervision of the head of the division.

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Department of Physiology and Pharmacology.

Kilborn, L. G., *Head of the Department.*
Feng, D. R.,
Li, H. L.,
Lindsay, A. W.,
*Meuser, E. N.,
Pen, D. F.

This department offers the following courses of instruction. Although most of the courses are primarily designed for students in the College of Medicine and Dentistry, any of them are open to students of Arts or Science who have the necessary scientific training.

Course X is especially designed for students who wish to make a life-work of Physiology or Pharmacology, and is open to senior students in the Department of Biology who have completed Physiology II, or to students of Medicine or Dentistry who have completed their preclinical studies and wish to spend a year or more in research before entering upon their clinical work.

Throughout the session oral and, as may be necessary, written examinations are held to ascertain the extent of the student's knowledge of the subject, and the results of these, as well as his general work in the laboratory will be used to determine his final standing.

Physiology I.

An introductory course given to the Anatomy class to correlate function with structure. One hour a week throughout second year.

Physiology II.

Human Physiology.

Six lectures and ten hours of laboratory work a week throughout the Fall Term, third year.

The lecture course deals briefly with some aspects of general physiology, and then takes up the study of the physiology of the human body with especial emphasis on the physiological bases of clinical phenomena, such as shock, edema, abnormalities of heart rhythm, dyspnoea, glycosuria,

deficiency diseases, diseases of the glands of internal secretion, etc.

The aim of the laboratory course is to familiarize the student with the procedure that must be followed in the solution of typical problems in physiology. The early experiments are made as simple as possible, and make use of the nerve muscle preparation of the frog and the turtle heart. These serve admirably to introduce the student to the quantitative study of animal function, and to teach him something of the behavior of the living as opposed to dead matter. Following this, the class is divided into small groups, each of which is a unit for carrying on mammalian experiments. In rotation each member of each group is anesthetist, surgeon, assistant surgeon, etc. Experiments of considerable difficulty are undertaken, but the work is done by the students themselves under the supervision of an instructor. A very few of the most difficult experiments may be carried out by the instructor as demonstrations. Wherever possible human subjects are used for experiments, the students themselves acting as subjects.

Physiology III.

Neurology.

Two hours a week for the Spring term of the third year. This is a lecture and demonstration course designed to familiarize the students with the physiological and anatomical bases of clinical neurology, together with an outline of the methods used in the physical examination of the central and autonomic nervous systems.

Physiology IV.

Oral Physiology for Medical Students

The physiology of mastication, deglutition, respiration and speech will be stressed, particularly in relation to occlusion and to facial growth and form.

Physiology V.

Oral Physiology.

This course will stress the function of the temporo-mandibular joint, the jaws, teeth, tongue, lips and cheeks, muscles of mastication, saliva, speech, etc.

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Textbooks: *Halliburton*, "Handbook of Physiology" (Chinese edition); Evans and Kilborn, "Experimental Physiology" (Chinese).

Reference Books: Macleod, "Physiology and Biochemistry in Modern Medicine."

Textbooks by Howell; Starling; Best and Taylor; Wiggers.

Textbook in Neurology: Ranson, "The Anatomy of the Nervous System."

Reference Books in Neurology: Herrick, "An Introduction to Neurology," Tilney and Riley, "The Form and Functions of the Central Nervous System," and other monographs by Sherrington; Pavlov; Gaskell; Hewer & Sandes; Bianchi; Parker; Villiger.

Physiology VI

COLLEGE PHYSIOLOGY

This course consists of three lectures and four hours of laboratory work per week for the Fall term. It is open to students of Pharmacy and other departments in Arts and Science who have had training in general biology and chemistry. The course is sufficiently detailed to enable the pharmacy student to understand the action of drugs in altering physiological processes when he comes to the study of pharmacology, yet it is also planned to give the student of general arts or science an appreciation of the mechanism of the body as a whole.

Text and Reference Books:—Halliburton's "Handbook of Physiology" (Chinese); Burton-Opitz, "Elementary Manual of Physiology"; Best and Taylor, "The Human Body and its Functions."

Laboratory Manual—Evans and Kilborn (Chinese).

Pharmacology VII

MATERIA MEDICA

Two hours a week for the Fall term of the third year. The course deals in detail with all the drugs mentioned in "Useful Drugs." In addition, certain other new remedies are discussed.

PHARMACY.

Two hours a week for the Fall term of the third year. This is a lecture and laboratory course on pharmaceutical technic, the writing and compiling of prescriptions, and the study of physical, chemical and pharmaceutical incompatibilities.

Pharmacology VIII.

PHARMACODYNAMICS

Three lectures and six hours of laboratory work a week throughout the Spring term, third year.

The physiological action of drugs is studied from the theoretical and practical standpoints. The laboratory course makes use of frogs, turtles, mammals and the students themselves in a study of the modification of physiological functions by drugs and poisons. Such Chinese drugs as have been investigated are included in the course.

Pharmacology IX.

APPLIED ORAL MATERIA MEDICA.

This course covers use, dosage, physiological action of drugs which are especially applicable to dental practice.

Text-books: Amer. Med. Assn. "Useful Drugs", (Chinese).
Bruce and Dilling, "Materia Medica", (Chinese).
Clark, "Applied Pharmacology", (English).
Edmonds and Cushny, "Experimental Pharmacology" (Chinese).
Read, "Manual of Toxicology" (Chinese).

Reference Book:
Textbooks by Cushny, Sollman, Meyer and Gottlieb (Henderson's Translation.)
Laboratory Manuals by Bush, Sollman, Jackson, Barbour.
Autenrieth, "Detection of Poisons."
Stuart, "Chinese Materia Medica."
Read, "Chinese Materia Medica."

Physiology and Pharmacology X.

RESEARCH.

Research is constantly being conducted in the department. Special problems are set and the work supervised for students

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of Medicine or Dentistry who have completed the first three years of the regular course and wish to spend an extra year in research work in this department. For students who wish to become university teachers in any of the pre-clinical sciences such a year of work is especially recommended.

Department of Surgery

*Wilford, E. C., *Head of the Department.*
J. H. Lechler, *Acting Head of the Department.*
Crawford, W.
Hsieh, H. H.
Lindsay, A. W.
Lousley, H. M.
*Morse, W. R.
Yang, Bert K. L.
Yang, D. G.

Surgery I.

Surgery.

Eight hours per week, throughout the fourth year.

A systematic course of lectures is given throughout the year on the principles of surgery. There is also clinical study in the wards, operating room, and out-patient department. The students are instructed in case-taking, physical examination and diagnosis. The text-book (Rose and Carless) is followed fairly closely.

Surgery II.

Surgery.

Fifth year, six hours per week. Regular lectures are continued as well as more detailed and intensive instruction in wards and out-patient dept. The students give anesthetics and assist at operations, and are allowed to perform minor operations. They are assigned cases in the wards, and are required to write complete histories, make laboratory examinations, and give tentative diagnoses.

Surgery III.

Orthopedics and Bone Surgery.

Instruction in the underlying principles, proceeding from a discussion of normal functions of bones, joints and other structures to abnormal function in disease. Training in bandaging, use of plaster of Paris, braces, methods of examination and application in individual cases.

Surgery IV.

Roentgenology.

One hour per week for one term. A course of 15 lectures and demonstrations is given in X-ray work, which includes fluoroscopy, roentgenography and plate reading.

Surgery V.

Operative Surgical Technique.

A course of 2 hrs. per week for 1 term is given to the fifth year. Operations are performed by the students, supervised by the teachers, on dogs. All the common abdominal operations are practised. Anesthetics, asepsis, instruments, gowns, gloves, etc., are used as in the regular hospital operating rooms.

Surgery VI.

Interne Work.

In addition to the regular interne duties of the sixth year the Interne is expected to attend all clinical conferences held, and definite reading is required from current medical literature. Clinical instruction only is given, as the regular lecture course is, as a rule, completed in the fourth year.

Special Subjects

Technical English

I. For Medical Students.

Technical medical and scientific English is studied throughout six years of the medical course. The objects of the course are: (1) to enable senior students and graduates to read and understand readily medical books and journals;

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(2) to give the senior students sufficient grasp of English to take lectures in that language and be prepared for doing post-graduate work in English-speaking institutions or countries; (3) to enable senior students to write histories and to express technical ideas in correct English.

No set course of instruction is followed, but the earlier years are devoted to the English of the pre-clinical sciences. In the clinical years use is made of Cabot's "Physical Diagnosis" and Service's "System of Case Taking." Detailed study is also made of the English of medical journals.

II. For Dental Students.

Technical Dental and Scientific English Courses are the same or similar to those given in medicine.

The courses will prepare the student to read dental literature and to take lectures in English in his last years. To keep up with the advances of the profession the graduate must be able to read technical books and journals in English.

Therapeutics

Therapeutics I. Dietetics.

The applied physiology of nutrition as related to health and disease, and the food requirements in the various pathological states. Lectures and demonstrations.

Therapautics II. Principles of Therapy.

Discussions and bedside practice of the various therapeutic principles, and the problems involved; applied physiology and pharmacology, and deviations from physiologic norms. This involves discussion of recent advances in physiology, biochemistry and pharmacology, in their practical application to the treatment of disease. This course is given in years alternating with Therap. III., to the fourth and fifth year classes.

Therapeutics III. Physical Therapy.

Lectures and demonstrations on the use of electricity, mechanics, exercise, water, heat and cold, light, roentgen rays and radium in the treatment of disease. Given in alternate years with Therap. II. to fourth and fifth year classes.

Jurisprudence, Ethics, History.

I

Medical Jurisprudence.

A course of 12 lectures dealing with thanatology: the reality of death, post-mortem changes, etc., causes producing death by violence; wounds in their medico-legal relations; medico-legal aspects of the sexual functions, legitimacy, pregnancy, abortion, infanticide, rape, etc., blood stain, and the examination of blood.

II

Dental Jurisprudence.

Dental law as it applies to public and professional relations will be discussed and explained. A suggested line of procedure for the enactment of laws to regulate dental practice in China will be covered.

III

Medical Ethics.

A brief course of two or three lectures.

IV

Dental Ethics.

The moral and social relations between the dentist and his patients, between his fellow practitioners, and between the community at large will be analysed and discussed.

V

History of Medicine.

A course of 10 lectures outlining the development of the Science of Medicine from the earliest times to the present. The biographies of some of the men who have contributed most to the advancement of Medicine are studied.

VI

History of Dentistry.

Designed to acquaint the student with the progress of dentistry and its position in the 'health program'; to attempt

to link the student with world dentistry; to use native Chinese dental practice to provide examples of phases of the development of dentistry.

VII

DENTAL PRACTICE AND ECONOMICS.

The course is given with the aim of meeting the problems of the graduate in hospital and private practice. Location, furnishing, light, apparatus, office administration, etc., will be discussed.

The management of a dental practice with reference to income, expenditure and the development of its full resources will be taken up.

FINAL YEAR THESIS

A thesis is required from all candidates for a degree. The subject of the thesis is chosen by the student after consultation with the heads of departments. The dean of the faculty in which the student is graduating will appoint an advisor to supervise the work in preparation for the thesis and the preparation of the thesis itself. The thesis, when written, must be approved first by the head of the department in which the work was done, and then by the dean of the faculty, who will recommend it to the University Cabinet for acceptance.

Each student must select the subject for his thesis and have it approved at least one month before the end of the fifth year. Theses must be completed each year by the date announced in the university calendar.

Information regarding further regulations for the writing of theses may be obtained from the registrar of the university.

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COURSE IN MEDICINE, AND HOURS REQUIRED

(Second to fifth years)

See also required premedical Sciences.

SUBJECT	Second year		Third year		Fourth year		Fifth year		TOTALS	
	Fall	*Spring*	*Fall*	*Spring*	*Fall*	*Spring*	*Fall*	*Spring*	*For Subject*	*For Group*
English	54	45	54	45	18	15	18	15	264	
Technical English	36	30	36	30	18	15			165	528
Second Foreign Language	54	45							99	
Anatomy	270	225							495	
Applied Surgical Anatomy						15			15	708
Histology & Embryology	108	90							198	
Biochemistry	126	120							246	
Physiology			306						306	
Pharmacy & Materia Medica			72						72	759
Pharmacology				135					135	
Bacteriology & Immunology			126						126	
Pathology, General				120					120	
Pathology, Special					162	45			207	
Clin. Pathology & Biochemistry				90					90	690
Clin. Pathological Conference					18	15	18	15	66	
Parasitology			36	45					81	
Internal Medicine					72	120	126	120	438	
Physical & Differential Diagnosis				60	36				96	
Neurology & Psychiatry				30	36		18		84	
Pediatrics I, and II or III							54	45	99	945
Therapeutics						30	18	15	63	
Dermatology					36				36	
O.P.D. Medical						45	54	30	129	
Surgery					44	120	108	90	462	
Venereal Diseases							18		18	
Roentgenology							18		18	657
Orthopedics								30	30	
O.P.D. Surgical						45	54	30	129	
Obstetrics & Gynecology					72	60	54	60	246	246
Hygiene & Public Health								75	75	75
Ophthalmology								45	45	
Otolaryngology							54		54	150
Dental Subjects			18			15	18		51	
Jurisprudence, Ethics, History						15	36		51	51
Totals	648	555	648	525	594	570	666	570	4776	4776

*The details may be found on another page. The sixth year is a rotating interneship of twelve months.
For the Prerequisite Sciences see another page.

attended

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COURSE IN DENTISTRY YEARS

Department.	Subject	Second year		Third year		Fourth year		Fifth year		Sixth year		*Total*	*Total*
		Fall	*Spring*	*Fall*	*Spring*	*Fall*	*Spring*	*Fall*	*Spring*			*Subject*	*Group*
English	General	54	45	54	45	18	15					231	
	Technical	36	30	36	30	18	15					165	
	Second Foreign Language	54	45									99	495
Anatomy	Gross Anatomy	270	225									495	
	Gen. Histology	108	45									153	
	Gen. Embryology		45									45	
	Oral Histology & Embryology					126						126	
	Applied Oral Anatomy							72	15			87	
	Comp. Oral Anatomy							36				36	
	Odontal Anatomy			54	45							99	1041
Biochemistry	Biochemistry	126	120									246	
	Nutrition							18				18	264
Physiology and Pharmacology	Physiology 1,			306								306	
	Oral Physiology							36	30			66	
	Neurology A,				30							30	
	Pharmacology				135							135	
	Pharmacy & M. Medica			72								72	
	Oral Mat. Medica								15			15	624
Pathology	Gen. Pathology				120							120	
	Gen. Bacteriology			126								126	
	Oral Pathology						135					135	
	Clin. Pathology & Biochemistry				90							90	
	Clinical Oral Pathology & Biochemistry											36	507
Medicine	Physical Diagnosis				60	36						96	
	Medicine, Inc. Neurol. B.					108	120					228	324
Surgery	General Surgery					144	120					264	264
Hygiene Public Health	Hyg. & Pub. Health								75			75	
	Oral Hyg. & Prev. Dent.							36	30			66	141
Otolaryngology	Otolaryngology							36				36	36
Oral Laboratory Technology	Dental Materials & Instruments					54						54	
	App. Photography							18				18	72
Oral Surgical Technology	Anaesthesia								15			15	
	Oral & Exodont. Tech.								15			15	
	Odontal Surg. Tech.							108	60			168	
	Parodontal Tech.								30			30	
	Prosthodontal Tech.					54	60	72	60			246	
	Orthodontal Tech.								15			15	
	Elec. Diag. & Therap.							18	15			33	
	Animal Oper. Surg.								15			15	537
Oral Medicine and Surgery	Odontology						30	36	30			96	
	Oral Surg. & Med.							54	45			99	
	Parodontology							54	15			69	
	Orthodontology							18				18	
	Oral Diagnosis							18	15			33	
	Prosthodontology *A*						30	36	15			81	
	Prosthodontology *B*							36	15			51	447
Special Subjects	Jurisprudence & Ethics								30			30	
	Dental History								15			15	
	Dental Practice							18				18	63
Clinical Dent.	Clinical Conferences & Interne yr.							18	15	1800		1833	1833
	Total	648	555	648	555	558	540	723	621	1800		6648	6648

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RETURN TO:
CHINA COLLEGES
150 FIFTH AVENUE
NEW YORK, N. Y.

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RETURN TO
CHINA COLLEGES
150 FIFTH AVENUE
NEW YORK, N. Y.

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Books

CATALOGUE

OF THE

WEST CHINA UNION THEOLOGICAL COLLEGE

（華西協合神學院）

CHENGTU, SZECHUAN

1939-1941

ESTABLISHED 1936

THE FIRST CLASS WAS RECEIVED IN THE AUTUMN OF 1937

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HISTORICAL STATEMENT.

The West China Union Theological College was established in 1936 by the joint action of the Missions and Churches of Szechuan. Previous to this a complete survey was made of the question of Theological Education not only in this province but in the whole of China. At the invitation of the National Christian Council of China Dr. L. Weigle, Dean of Yale Divinity School, New Haven, U.S.A., came to China in the autumn of 1934 to conduct a comprehensive survey of Theological Education in China and to present recommendations to the churches and Missions concerning this very important branch of their work. Previous to the coming of Dr. Weigle a commission had been at work collecting data relevant to the question in hand.

Under Dr. Weigle's leadership conferences were held at different places in China where Theological work was being undertaken and local problems were discussed. In this series of conferences, was one for West China. Accordingly, in June 1935 a conference on Theological Education in West China was called which was attended by representatives of all of the churches. Dr. Weigle and Dr. Chester Miao were both present and the conference was conducted under their leadership.

In early years in Szechuan the work of training men for the ministry of the church was done in a Bible School, situated on the campus of the West China Union University. In those years, no definite academic standing was required for entrance to this Bible School. In later years this School was discontinued and the work was carried on as a Faculty of Religion in the university. With the coming of registration as required by the national government and the restrictions entailed thereby, it was found that this arrangement no longer afforded the liberty of action required for the proper training of men and women for the work of the church. Accordingly, at the conference held in June 1935 it was decided to recommend to the churches in Szechuan that a Theological college be established under its own management. During the summer of the same year a conference was held in Kuling in Central China which took under consideration the recommendations of all of the regional conferences and sought to correlate their find-

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ings. The result of this conference was to recommend that four Theological Institutions of College grade should be established in China and that one of them be located in Chengtu. This recommendation was passed on to the churches and Missions in Szechuan who all considered it and all expressed themselves in favor of the establishing of the college.

The Board of Management at its first meeting held on February 4th, 1936 passed the following resolution, - Whereas the Methodist Episcopal Church in Szechuan; The Sheng Kung Huei in Szechuan; The Friends Service Council in Szechuan; The Baptist Church and Mission in Szechuan; The Church of Christ in China, Szechuan Synod, The United Church of Canada Woman's Missionary Society and the United Church of Canada General Board Mission have all declared that they are in favor of opening a Union Theological College and have appointed representatives to the Board of Management; Resolved that we establish this college. Further discussion was held as to the location of the college whether inside or outside of the city, and the following resolution was passed; - Resolved that the College be opened at Chengtu on the property adjacent to the university, facing on Kiang Si Kiai, owned by the United Church of Canada Mission and offered by them for this purpose.

At the second meeting, held in July 1936, it was decided to ask the Board of Governors of the West China Union University to take responsibility in the home lands for the West China Union Theological College, it being understood that in West China the College shall be under its own management. The Board of Governors acceeded to this request and it is now the Board in the home lands to whom all of our resolutions and requests are forwarded.

On the Field, the College is under the control of a Board of Management which consists of three representatives from each of the five churches. Each church decides whether its representatives shall be Chinese or missionary, men or women. There is also one representative from the Union University and one from Nanking Theological Seminary. The Woman's Bible School at Fang Cheng Kiai also has a representative on the Board.

AIM AND NATURE OF THE COLLEGE.

The Name of the College is "The West China Union Theological College."

The Aim of the College is as follows, - The College is established to train men and women for service in the Christian Church, in the work of the Christian Ministry, Religious Education and Evangelism. The College will do all in its power to bring before the youth of the church the great opportunity that lies before them in service for God and the need for men and women who are willing to dedicate their lives to His service in the Ministry.

The grade of work is as follows; - The College aims to do work of university grade in the regular classes. The college for the present admits a class of junior grade. The requirement for entrance in the senior grade class is graduation from a senior Middle School while entrance to the junior grade requires graduation from a junior Middle School. Students are also required to present a medical certificate of health. Each student should also secure a recommendation from a church group for entrance for study in the college with an account of the practical work for the church which he or she has done.

The College conducts an entrance examination for all prospective students.

The College is associated in its life and teaching with the Union University. Students of the college who are of university grade are admitted to classes in the university as desired by the college without further payment of fees. Students from the university are admitted to the college as desired. There is a mutual exchange of teaching services and academic facilities. Students of the college attend the regular weekly assembly at the university on Monday morning.

Calendar for 1939-40.
Dormitory will open on Monday Sept. 4th.
Entrance examinations will be held on the 6th, 7th and 8th of Sept.
Registration Monday Sept. 11th.
Opening exercises of the college, Tuesday Sept. 12th.
Classes begin Wednesday, Sept. 13th.

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HOLIDAYS, October 10th.
November 12th.
December 25th.
January 1st.

The term will end about the middle of January, exact date to be fixed. Holidays three weeks.

The year will end about the middle of June.

FEES,

Fees for students are Tuition $10 per term.
Dormitory $ 5 per term.
Board probalby $30 to $35 per term.
Books will probably be $10 per term.

An extra fee of one dollar will be charged students not registering before the opening of classes. (This rule may be waived under emergency circumstances.)

Beginning with Sept. 1940 tuition fees will be raised to $20 per term.

A medical fee of one dollar per term will be required from each student: This entitles the student to free medical service at the University Clinic.

The Members of the Board of Management for the present year are as follows,

Sheng Kung Huei, Bishop C. T. Song (Rev. D. Sargent alternate), Rev. V. H. Donnithorne, Rev. A. T. Lutley,
Methodist Episcopal Church, Rev. O. Stockwell, Rev. B. C. Tang, Miss C. Trotter,
Friends Service Council, Mr. S. C. Yang, Mr. R. L. Simkin, Baptist Church, Mrs. Salquist, Rev. Fu Chin Beh, Rev. F. H. Smith, (Dr. S. Kennard alternate).
The Church of Christ in China, Rev. Cheng Tze Liang, Rev. S. F. Kan, Rev. H. G. Brown, Rev. E. Hibbard, Miss W. A. Harris.
From the Woman's Bible School Miss H. Wen.
From the University, President L. G. Dsang.
From Nanking Theological Seminary, Dr. F. W. Price.

Officers of the Board of Management are;
Chairman, H. G. Brown,
Vice-Chairman, S. C. Yang,
Chinese Secretary, W. Wang,
English Secretary G. W. Sparling,
Treasurer, E. Hibbard.

The Executive is composed of the Officers and Rev. Fu Chin Beh and Bishop C. T. Song or his alternate.

Officers of the College,
President, Dr. G. W. Sparling,
Dean Mr. Wallace Wang.

MEMBERS OF THE FACULTY OF THE COLLEGE

Rev. H. G. Brown Pastoral Theology, (饒和美)
*Mr. Cheo Ming I, Rural Church Extension, (周明懿)
*Rev. Newton Chiang, Religious Education, (蔣翼振)
*Rev. Chu Ching I, Evangelism, (朱敬一)
*Mr. Chu Ching Ts'u Religious Art, (朱敬初)
Rev. Kuoh Chung I, Homiletics and Old Testament, (郭中一)
Rev. A. T. Lutley, New Testament Exegesis, (陸德禮)
*Rev. Frank W. Price, Rural Church and Old Testament, (畢範宇)
Miss C. Trotter, English, (庹霞雲)
Rev. G. W. Sparling, Theology, (宋道明)
Mr. Wallace Wang, New Testament and Church History. (王俊賢)
*Mr. Yang Chan I, Agriculture, (楊占一)
*Mr. Yu Moh Ren, Adult Education, (余牧人)
Rev. Peter Y. F. Shih, Old Testament.
Mr. Shih will join our Staff in the Autumn of 1939.

Teachers of the university admit our students to their classes in the subjects desired by the College.

The Course of study in the College grade classes covers four years. On completion of these four years work, if the student successfully passes the final examinations, a degree of Dao Hsioh Si will be granted by the College. Arrangements are being made whereby a student after one more year of study may take the examination of the Nanking Theological Seminary qualifying him for a degree of Bachelor of Theology from that Seminary. The Nanking Theological Seminary has received an absolute charter from the Board of Regents of the University of the State of New York giving them authority to grant Theological Degrees.

*From Nanking Theological Seminary.

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The course of study for the Junior grade covers three years. On the completion of this course and the successful passing of examinations a certificate of standing will be granted by the College.

Women students have equal privileges with men in all work of the college.

During the year 1939-40 a Refresher course will be offered which will cover only the one year. This course is open to those who are in the work of the church and feel the need of further study. All those wishing to enter this class should have a recommendation from their church.

THE EXTENSION SERVICE TO RURAL CHURCHES

The Extension Service to Rural Churches is being initiated with the assistance of teachers from the Rural Church Department of the Nanking Theological Seminary and will be a part of the permanent program of this institution. The purpose of the Extension Service is to make available the resources of the Theological College, of Christian colleges and schools and of rural service agencies in Chengtu to help the rural churches; to co-operate in regional institutes for the training of lay-workers; to arrange for short-term courses for rural pastors and evangelists; to promote experiments and demonstrations which will throw light on principles and methods of rural evangelism and service; to assist in the production of Christian literature for rural work. Through the Extension Service the Theological College both faculty and students, are kept in close touch with the needs and opportunities in the rural field.

In the spring and early summer of 1939 regional institutes were held in the areas of the five co-operating churches. In May a two weeks Short Course for Rural Pastors and Evangelists was held in Chengtu, attended by over fifty men and women.

COLLEGE LIFE

The Students have organized a Student Council for the conduct of extra-curricular activities and for the

nourishing of College Life. There is a daily morning service attended by students and teachers. Also informal groups are held for discussion of problems of the religious life. Special services are held once a month to which outside speakers are invited.

Practical church work is required of all students, concerning which reports must be given to the college. A meeting is conducted each Friday evening which takes the form of a preparation for the work of Saturday and Sunday.

CURRICULUM OF THE COLLEGE

The following courses are those now being given in the college and to this list additions may be made from time to time.

COLLEGE GRADE COURSE

I. Bible

First Year. Introduction to the Old testament 2 hours.
Introduction to the New Testament 2 hours.
New Testament Exegesis 2 hours.

Second Year, History of Israel, Historical Books 2 hours.
Life of Christ 2 hours.
New Testament Exegesis 2 hours.

Third Year, Old Testament Prophets 2 hours.
Acts and Epistles 2 hours.

Fourth Year, Psalms and Wisdom Literature 2 hours.
Johannine Writings 2 hours.

II. Theology. Biblical Theology 2 hours.

First Year. Introduction to the Philosophy of Religion 2 hours.

Second Year, Systematic Theology (I).
(God, Man, Sin, Christ) 2 hours.

Third Year, Systematic Theology (2).
(Holy Spirit, Church, Eschatology 2 hours.
History of Chinese Religious Thought 2 hours.

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Fourth Year, The Christian Message for to-day 2 hours.
Christianity and Other Religions 2 hours.
Philosophy and Psychology of Religion 2 hours.

III. The Church

Life and Work.

First Year, Church History, Early Church to the Reformation, Evangelism. 2 hours.
Music.

Second Year, Church History, The Reformation to the Present.
Principles and Methods of Religious Education 2 hours.
Homiletics 1 hours.
Music.

Third Year, Missions, History of Christianity, The
Church in the World To-day 2 hours.
Teaching Work of the Church 2 hours.
The Rural Church 2 hours.
The Christian Home (women) 2 hours.
Use of Christian Literature, Art, Music. 2 hours.

Fourth Year, History of the Church in China, 2 hours.
Pastoral Theology 2 hours.
Rural Church 2 hours.
City Church 1 hour.
Work with Women and Children 2 hours.
Work with Boys and Youth 2 hours.

IV. Nature, Man and Society, (General Studies).

First Year, Agriculture* 2 hours.
Educational Psychology* 2 hours.
Science and Life* 2 hours.

Second Year
Social Reconstruction* 2 hours.
Rural Sociology* 2 hours.
Public Health* 2 hours.
Agriculture*

Third Year, Agriculture, (Rural Students).
Sociology and Economics* 2 hours.

Fourth Year, Christian Ethics* 2 hours.
Rural Reconstruction* 2 hours.

V. Languages and Literature

First Year, Chinese Literature* 2 hours.
English 3 hours.

Second Year, Chinese Literature* 3 hours.
English* 3 hours.

Third Year, Chinese, Writing* 2 hours.
English* 3 hours.

Fourth Year, Chinese Religious Literature 2 hours.
English Religious Literature 2 hours.

VI. Special Skills

Rural Church Students, Agricultural Field Work each year.
Musical Instruments Elective.
Games and Recreation Informal.

VII. Devotional Life and Christian Experience

Daily Chapel

Fellowship Groups and Meetings

Teacher and Student Relationships

Field Training, weekly, during vacations and stated periods.

Special Services are held in the College from time to time to which outside speakers are invited.

JUNIOR COURSE

I. Bible, First Year

Introduction to the New Testament 2 hours.
Introduction to the Old Testament 2 hours.
New Testament Exegesis 2 hours.

Second Year
Life of Christ 2 hours.
New Testament Exegesis 2 hours.
Old Testament History 2 houes.

Third Year
Old Testament, Prophets and Psalms 2 hours.
Acts and Epistles 2 hours.

*These Subjects are given in the University.

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II. Theology, First Year
Biblical Theology 2 hours.
Second Year, Systematic Theology 2 hours.
Chinese Religious Thought 2 hours.
Third Year Systematic Theology 2 hours.
The Christian Message for To-day 2 hours.

III. The Church, First Year
Church History 2 hours.
Rural Church 2 hours.
Adult Education
Music
Second Year, Church History 2 hours.
Religious Education 2 hours.
The Christian Home 2 hours.
Homiletics 1 hour.
Third Year
History of the Church in China 2 hours.
Pastoral Theology 2 hours.
Rural Church 2 hours.
Work with Boys and Youth 2 hours.

IV. Agricultural Subjects for Rural Workers
First Year, Cooperatives 2 hours.
Rural Economics 2 hours.
Public Health 1 hour.
Animal Husbandry 2 hours.
Second Year
Subjects of the University Extension Course in Agriculture 6 hours.
Third Year
Subjects of the University Extension Course in Agriculture 6 hours.

V. Languages, Chinese Language will be studied each year, 2 hours.
English language is optional.

VI. Devotional Life and Christian Exercises
Daily Chapel
Fellowship groups and Meetings
Teacher and Student Relationships.
Field Training, weekly, vacational and longer periods.

Visiting Speakers at special meetings at the College during the year.
Rev. Lin Shu Hua, Sheng Kung Huei, Hankow
Mr. J. MacMichel, The Student Christian Movement of America
Mr. T. H. Sun, Secretary of the N.C.C.
Dr. H. P. Van Dusen, Union Theological Seminary, New York
Mr. Wang Hsiang I, Central Military Academy
Rev. Chu Chi Ch'ang, Presbyterian Church, Nanking
Rev. Graham S. C. Liu, Shen Kung Huei, Wuchang
Miss Rose Terlin, World's Student Christian Federation
Bishop C. T. Song, Shen Kung Huei, Szechwan
Mr. Hsie Fu Ya, Government Mass Education Movement
Miss Eva Spicer, Ginling Woman's College
Mrs. Earl Willmott, Union University, Chengtu
Dr. Ni Ch'ing Yuan, Nanking University
Dr. Ch'en Wei Pin, Government Moral Endeavor Society
Dr. Chen Chin Yi, General Secretary of the Church of Christ in China.
Dr. S. Lautenschlager, Cheeloo University.
Dr. S. C. Miao, National Christian Council.

List of Students registered during the academic year 1939-40.

College Grade,
Fourth Year, Lin Tsen Chih 林曾志
Ts'ao Shao Ch'in 曹紹卿
Sun Nien Li 孫彥理
Chang Keh Hsiang 張克襄
Chang Sin Tien 張心田
Second Year, Chiang Yuan Yuin 姜遠榮
Loh Din Hsin 羅定興
Wu Hsin Dan 吳新丹
First Year, Miss Liu Yu Ch'ing 劉玉清
Miss Hsiao Hsioh Chao 蕭學昭
Miss Shang Pao Chen 常保貞
Miss P'ei Yiu Fang 裴玉芳
Chu Chia Ts'ai 朱家彩
Wang Fu Min 王福民
Sung Chin Wu 宋謹務
Fan Wen hai 范文海
Special Students, Mrs. Lo Chih Hsien 羅質先
Mrs. Cheo Fu T'ien 周福田

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Junior Grade, Mrs. Chang Yuin Hsien 張雲仙
Ling Ming Chao 林名釗
Cheo Yuin Wu 周允武
Keo Ts'e Cheo 苟澤洲
Ch'en Chih Wen 陳治文
Huang Pen Ch'en 黃本成
Wang Chih Chia 王子嘉
Chang Min Sen 張民生
Kung Peh K'ang 龔伯康
Special Student, Mrs. Li Chin Ho 李敬和

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UNIVERSITIES
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WEST CHINA UNION UNIVERSITY CATALOGUE

Chengtu, Szechwan

1937 - 1939

The Department of Western Languages

Comprising

I. The Division of Languages (English, French, German.)

II. The Division of English Literature.

Full time Staff:

Moncrieff, Jesse Edwin	Chairman of the Department
Streeter, Mary E.,	Head of the Division of English Literature
Kennard, J. Spencer,	English, French
Kennard, May F.,	English
Phelps, Dryden	English

Part time Staff:

Downer, Sara Boddie	English
Fosnot, Pearl	English
Foster, B. Louise	English
Lindsay, Alice	English
Mullett, Pearl	English
Smalley, Frank	German
Smalley, Nellie	English
Thexton, Annie	English
Weiss, Ruth	German
Willmott, Katherine	English
Yuan, Germaine	French

The department of Western Languages offers coursew with the following aims:

1. To increase the student's facility in the use of oral and written English (or German, or French), especially developing to the point of enjoyment his ability to read the foreign language.

2. To impart to the student some knowledge and appreciation of the history, culture and literature of the country whose language is studied. And, in the case of English,

3. To co-operate with the Department of Education in training teachers of English.

DEPARTMENT REGULATIONS

1. Students will be graded according to their general ability to understand and use English (or French, or German), as well as upon the subject mat er of the various courses offered.

2. English 11-12, 13-14, and 15-16 are required of all first-year students. Either English 21-22 or 23-24, together with English 31-32, must be taken by all candidates for graduation in Arts.

3. Students wishing to take a Major course in the Division of English Literature

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3. Continued:

must have made a grade of at least 70% in each of the English courses of the first year (11-12, 13-14, and 15-16), and must have made an average grade in these courses of at least 75%.

4. (a) Arts students who have made an average grade of at least 75% in first-year English courses (11-12, 13-14, and 15-16) are eligible for the course in Rhetoric (23-24) the second year. (b) All other students must take the course in Composition (21-22). (c) Students taking a Mahor course in the Division of English Literature must take the course in Rhetoric (23-24) in their second year.

5. Students who fail to maintain an average grade of 75% in their English courses the second year may not continue to take their Major course in the Division of English Literature.

6. All courses in English Literature are open to students taking a Minor course in English Literature. No student may be admitted to a Minor in English Literature who has not made an average of at least 70% in first-year English courses.

7. With the exception of the course in Elizabethan Drama (53-54), and the course in the History of English Literature (91-92), all advanced coursea are open to students in other departments in their third and fourth years who have made an average of at least 70% in first and second year English courses.

8. Full credit can be allowed for French 1-2 only when French 4-4 is also taken, and for German 1-2 only when German 3-4 is also taken.

COURSE OF STUDY FOR STUDENTS MAJORING IN THE DIVISION OF ENGLISH LITERATURE

First year:			
The Common Freshman Year for all students in Arts.			39
Second year:			
Studies common to the Second Year in Arts			
Divisional Requirements as follows:		23	
(a) English Bible as Literature (Eng.98)	3		
Expository English (Eng. 33-34)	4		
Modern Drama (Eng. 51-52)	4		
Approved electives	5		
or			
(b) English Bible as Literature (Eng.98)	3		
Choice of English 33-34 or Eng.51-52	4		
Choice of French or German	6		
Approved electives	3	16	39

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Third year:			
(1) "Core" subjects in English Literature		20	
(2) English History	4		
(3) Electives in this Department (English, Literature or French or German)			
or			
Approved electives in the Department of Philosophy given in English			
or			
Approved electives in the Department of History, Political and Social Sciences given in English	6		
(4) Other electives approved by the Division	8	18	38
Fourth year:			
(1) "Core" subjects in English Literature		20	
(2) Electives in this Department			
or			
Approved electives in the Department of Philosophy given in English			
or			
Approved electives in the Department of History, Political and Social Sciences given in English	6		
(3) Other electives approved by the Division	6	12	32
Credits required for Graduation			148

THE DIVISION OF ENGLISH LITERATURE

Most of the courses in the Division of English Literature are offered in alternate years. (Some other English coursea are given only in alternate years; these are listed with the English Literature courses)

In 1937-1938 the following coursea are offered:

*English 25-26 Advanced Composition	2-2
*English 27-38 Current Prose	2-2
*English 41-42 The English Novel (Later Period)	3-3
*English 53-54 Elizabethan Drama	3-3
English 63-64 Tennyson and Browning	2-2
English 93-94 Supervised Reading	2-2
English 65-66 Modern Poetry	2

In 1938-1939 the following courses are to be offered:

*English 35-36 The English Essayists	2-2
*English 43-44 The English Novel (Earlier Period)	3-3
*English 91-93 History of English Literature	3-3
*English 61-62 Nineteenth Century Poets	2-2
English 71 The Teaching of English (Autumn term only)	2
English 72 Phonetics and Pronunciation (Spring term only)	2
English 93-94 Supervised Reading	2-2
English 97-98 Readings in the English New Testament with parallel readings in Chinese	1-1

The first four courses listed for each year (those marked with a star) form the "core" subjects in the Division of English Literature; they represent the minimum requirement of a major course in English literature.

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The number of lectures a week, unless otherwise indicated, is the same as the number of credits given per term.

COURSES IN THE DEPARTMENT OF WESTERN LANGUAGES

English 11-12 First Year English Prose — 1½-1½
Required: I, all departments
Lectures: 3 hours a week throughout the year

English 13-14 First Year Composition — 1-1
Required: I, all departments
Lectures: 2 hours a week throughout the year

English 15-16 First Year Oral English — 1-1
Required: I, all departments
Lectures: 2 hours a week throughout the year

English 21-22 Second Year English Composition — 2-2
Prerequisite: Eglish 13-14
Required: II, all departments, except those taking English 23-24
Lectures: 3 hours a week throughout the year

English 23-24: Rhetoric and Composition — 2-2
Prerequisite: Eglish 13-14
Required: II, Division of English Literature
Elective: Other students in the College of Arts who have maintained an average of at least 75% in first year English courses.
Lectures: 3 hours a week throughout the year.

English 25-26: Advanced Composition — 2-2
Prerequisite: Eglish 23-24
Required: III. IV, Division of English Literature
Elective: Other qualified students in III or IV.
Offered in 1937-1938

English 31-32 Modern Essays and Other Prose — 3-3
Prerequisite: English 11-12
Required: II all departments
Lectures: 3 hours a week throughout the year

English 33-34: Expository English — 2-2
A reading course with emphasis upon extensive and analytic reading, note taking, the collection and organization of materials, written and oral reports
Required: II, Division of English Literature, except those taking English 51-52
Elective: II, III, other qualified students

English 35-36: English Essayists — 2-2
Required: III, IV, Division of English Literature
Elective: III, IV, other qualified students to be offered in 1938-1939

English 37-38: Current Prose — 2-2
Required: III, IV, Division of English Literature
Elective: III, IV, other qualified students
Offered in 1937-1938

English 41-42: The English Novel (Earlier Period) — 3-3
Required: III, IV, Division of English Literature
Elective: III, IV, other qualified students
Offered in 1937-1938

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English 43-44: The English Novel (Later Period) 3-3
Required: III, IV, Division of English Literature
Elective: III, IV, other qualified students
To be offered in 1938-1939

English 51-52 Modern Drama 2-2
Required: II, Division of English Literature, except those taking English 33-34
Elective: II, III, other qualified students

English 53-54 Elizabethan Drama 3-3
Required: II I, IV, Division of English Literature
Note: This course is open only to students taking a major course in English Literature.
Offered in 1937-1938

English 61-62 Nineteenth Century Poets 2-2
Required: III, IV, Division of English Literature
Elective: III, IV, other qualified students
To be offered in 1938-1939

English 63-64 Tennyson and Browning 2-2
Elective: III, IV.
Offered in 1937-1938

English 65-66 Modern Poetry 2-2
Elective: III, IV,
To be offered in 1938-1939

English 71 The Teaching of English 2
Elective: III, IV (Autumn term only)

English 72 Phonetics and Pronunciation 2
Elective: III, IV, (Spring term only)

English 81-82 English for Third Year Medical Students 3-3
A course in general reading

English 91-92 History of English Literature 3-3
Required: III, IV, Division of English Literature
Note: This course is open only to students taking a major course in English Literature.
To be offered in 1938-1939.

English 93-94 Supervised Reading Course 2-2
A reading course mapped out to meet the needs of individual students. No class work, but fortnightly conferences with the instructor will be required, and written reports may be called for from time to time. This course may be taken for credit two years in succession.
Elective: III, IV

English 95-96 Reading in the English New Testament with parallel readings in Chinese 1-1
Elective: III, IV
To be offered in 1938-1939

English 98 English Bible as Literature 3
Required: II, Division of English Literature
Elective: II, III, IV
(Given in the Spring term only.)

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