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學大中華昌武立私
Hua Chung College
Bulletin

私立武昌中華大學
學報

Catalog Number

1935-1936

Wuchang, Hupeh, China

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HUA CHUNG COLLEGE

(CENTRAL CHINA COLLEGE)

CATALOG OF

The School of Arts

The Yale-in-China School of Science

The School of Education

for the academic year 1935-1936

Announcements for 1936-1937



Issued June 1, 1936

Wuchang, Hupeh, China.

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HANKOW

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CALENDAR 1936-1937.

1936

January	18	Saturday	Winter vacation begins.
February	7	Friday	Registration of students.
February	10	Monday	Classes begin.
March	12	Thursday	Anniversary of Sun Chung San's death.
March	29	Sunday	Anniversary of the First Martyrs of the Revolution.
April	10	Friday	Good Friday.
April	6-12	Monday-Sunday	Spring vacation.
May	5	Tuesday	Revolution Memorial Day.
June	25	Thursday	Commencement.
August	7-8	Friday-Saturday	First Entrance Examination.
September	1	Tuesday	Fall Term begins.
September	2-3	Wednesday-Thursday	Second Entrance Examination.
September	5	Saturday	General Staff Meeting followed by Faculty Meeting.
September	7	Monday	Registration of Old Students.
September	8-9	Tuesday-Wednesday	Registration of New Students. Part I.
September	10-11	Thursday-Friday	Registration of New Students. Part III.
September	14	Monday	Classes begin.
October	10	Saturday	National Day.
October	31	Saturday	Matriculation.
November	1	Sunday	Founders' Day.
November	12	Thursday	Sun Chung San's Birthday.
December	25	Friday	Christmas Day.

1937

January	1	Friday	New Year's Day.
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III

HISTORICAL SKETCH

Hua Chung (Central China) College is a union of five distinct units:— Boone (American Church Mission), Griffith John (London Mission), Huping (Reformed Church Mission), Wesley (Methodist Mission), and Yale (Yale-in-China Association). The union was formed in 1924 in response to the recommendations of the Burton Education Commission of 1921-22. Only three units, viz., Boone, Griffith and Wesley, were in it. But after 1927, everyone in the Central China region realized that efficiency and high standards of work were possible only in a union institution, and when the College reopened in the fall of 1929, two more units joined the union, viz., Huping and Yale. The College is now the only Christian institution of higher learning in the whole region of Central China, consisting of the four provinces of Honan, Hunan, Hupeh and Kiangsi.

From the beginning, the policy of the College has been to supplement government education by maintaining a residential Christian private college of the highest possible standards with a limited enrolment. Students are in hostels under the supervision of the cooperating units. The women students are under the direction of the Dean of Women and have their own social life in Yen Hostel.

The College is registered with the Ministry of Education in Nanking under the title of Hua Chung Ta Hsueh (華中大學), with three Faculties, viz., Arts, Science, and Education "with the purpose to provide for the youth of China a college education of high standard, with a view to developing character and intellectual capacity in the students, in order that they may become loyal and useful citizens of China and may be prepared to aid in building up and strengthening their respective communities along moral, intellectual, physical and humanitarian lines, and to promote the general purpose had in mind by each of the several missionary societies which have founded the Institution."

The College is now organized into three Schools, namely, the School of Arts, the School of Science, known as the Yale-in-China School of Science, and the School of Education, with power to confer the degrees of Bachelor of Arts, Bachelor of Science, Bachelor of Education and Bachelor of Commerce.

LOCATION

Hua Chung College is located on the former Boone University compound, Tan Hwa Ling, Wuchang, Hupeh.

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The campus may be reached by people who come by way of the Yangtze river steamers, by taking the public ferry boat at the customs house in Hankow for Han Yang Men, Wuchang. From Han Yang Men the distance is about twenty minutes by ricksha.

For people coming down river by train it is best to get off at Tung Shang Men. The distance by ricksha is about thirty minutes.

ORGANIZATION

Board of Founders (Trustees)

The Board of Founders consists of fifteen members, with headquarters in New York City, appointed by the cooperating units, as follows:

Domestic and Foreign Missionary Society of the Protestant Episcopal Church in the U.S.	7
Yale-in-China Association	3
Methodist Missionary Society	2
Reformed Church in the United States	2
London Missionary Society	1

Board of Directors.

The Board of Directors assumes direct responsibility for the College organization, on the field. It maintains offices in Wuchang. It consists of twenty-one members, appointed as follows:—

Board of Founders	3
American Church Mission	7
Yale-in-China Association	3
Methodist Church	2
China Mission, Reformed Church in the U.S.	2
London Mission	1
Alumni	3

Senate.

The Senate is the highest administrative authority within the College. It is composed of the President, the Treasurer, the Dean of Faculty, the Dean of each School, the Dean of Women, the College Librarian, two representatives of professorial rank appointed annually by the Faculty Meeting, and three representatives appointed annually by the Board of Directors, to ensure adequate representation of all the cooperating units.

The president is chairman and executive officer of the Senate.

Faculty Meeting.

The Faculty Meeting shall be composed of the President, Dean of College Faculty, the Dean of each School, Dean of Women together with the Professors, Assistant Professors, Lecturers, Junior Lecturers, and Assitants in each subject. The Chairman shall be elected annually by the faculty meeting, and members of the faculty who are of professorial ranks are eligible for election.

Powers and Duties of the Faculty Meeting.

- (a) Decide on general methods of instruction.
- (b) Fix the required and elective courses of each School and Department.
- (c) Discuss the teaching methods of each subject and correlate the different courses of instruction.
- (d) Decide on matters relating to the promotion of students.
- (e) Discuss and decide on other matters regarding the College Instruction.

The Faculty meeting shall ordinarily be held once a month.

The decisions of the Faculty Meeting shall take effect through the Dean of Faculty. If the Dean considers it necessary, he may refer proposals passed by the Faculty Meeting to the Senate for further discussion, and report their decision to the Faculty Meeting.

Faculty Meeting of the Schools.

The Faculty of each School shall be composed of the President, the Dean of the School, Professors, Assistant Professors, Lecturers, Junior Lecturers, and Assistants in the School. The Dean of the School shall be the Chairman of the Faculty Meeting of the Schools.

The Powers and Duties of School Faculty Meeting Shall be:—

- (a) To consider and recommend to the College Senate for approval the establishment or abolition of a major or minor department.
- (b) To decide on the curriculum and courses in the School for the sanction of the College Faculty.
- (c) To consider matters concerning the equipment of the different departments of the School, and to approve the

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- (e) Discuss and decide on other matters regarding the College Instruction.

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The Powers and Duties of School Faculty Meeting Shall be:—

- (a) To consider and recommed to the College Senate for approval the establishment or abolition of a major or minor department.
- (b) To decide on the curriculum and courses in the School for the sanction of the College Faculty.
- (c) To consider matters concerning the equipment of the different departments of the School, and to approve the

issuing of publications bearing the name of the School or of its several departments.

- (d) To consider matters submitted by the President of the College or Dean of the School.

Hostels.

The coöperating units maintain hostels for the accommodation of the students under their care, and reserve the right to organize and develop the religious and social life of the students.

St. Paul's Hostel and *Ingle Hall* are under the direction of the American Church Mission, with the cooperation of the London Mission in student work in Ingle Hall.

Poyu Hostel is under the direction of the Methodist Church, with the Reformed Church Mission cooperating.

Yen Hostel, for women students, a gift of the family of the late Rev. Y. K. Yen, is under the direction of a joint committee, appointed by the Board of Directors.

College Library (Boone Library).

The College Library contains the following books:—

Books in English	27,818
„ „ Chinese	21,524
„ „ other languages	27
English periodicals	2,024
Chinese „	1,268

The books in the different Departmental Libraries are not included.

BOARD OF FOUNDERS

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 Mr. Oliver Lyford
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 Rev. W. A. Grist
 Dr. A. W. Hooker
 Rev. T. Cocker Brown, D.D.

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 Rev. Widens Greene
 Mr. Clarence L. Senn, B.Sc.
 Mr. Chen Nai-hsuen, B.A.
 Hon. H. H. Kung, LL.D.
 Dr. K. C. Wu, Ph.D.
 Dr. Tu Yu-ching, Ph.D.
 Mr. Chambers Chow, B.A.

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 Paul V. Taylor, PH.D., *Dean of Faculty.*
 Leonard Constantine, M.A., *Acting Dean of Faculty.*
 Paul C. T. Kwei, PH.D., *Dean of the School of Science.*
 P'u Hwang, PH.D., *Dean of the School of Education.*
 Margaret Bleakley, M.A., *Registrar.*
 Samuel T. Y. Seng, B.S., *Librarian.*
 Samuel H. W. Kwei, M.D., *College Physician.*
 Nina G. Johnson, R.N., *College Nurse.*
 Alice Frances Kemp, *Superintendent of Grounds.*
 Francis J. T. Wang, *Chinese Secretary.*
 Mary Coe, B.A., *English Secretary to the President.*
 Edward G. T. Doe, *Assistant to the Registrar.*
 Chang Tsu-ming, *Assistant English Secretary to the President.*
 Frank T. C. Li, *Assistant Librarian.*
 Yu Ming Hsuan, *Assistant Librarian.*
 Chang Cheng Yi, *Assistant Librarian.*

THE SENATE

President Francis C. M. Wei, *Chairman.*
 Professor Hu I, *Secretary.*
 Mr. J. L. Coe, *Treasurer of the College.*
 Rt. Rev. A. A. Gilman, S.T.D.
 Professor Margaret Bleakley
 Dean Paul V. Taylor
 Dean Paul C. T. Kwei
 Dean P'u Hwang
 Rev. George R. Osborn
 Rev. L. Constantine
 Librarian Samuel T. Y. Seng

HOSTEL HEADS

Yen Hostel; Nina G. Johnson R.N.
 Boone Hostel; the Rt. Rev. A. A. Gilman, S.T.D.
 Poyu Hostel; Rev. Richard Hailwood
 St. Paul's Hostel; Rev. C. F. Whiston

FACULTY OF INSTRUCTION

韋卓民 Francis Cho-min Wei, *President of the College; Dean of the School of Arts; Professor of Philosophy.*
 B.A., M.A., Boone; M.A. Harvard; Hon. D.C.L. Univ. of the South, U.S.A.; Ph.D., London.
 安得勝 David Fyfe Anderson, *Assistant Professor of Education.*
 M.A., B.Ed., Edinburgh, on leave 1936-37
 安海蘭 Helen Anderson, *Lecturer in English.*
 Teacher's Diploma, Edinburgh Training College, on leave 1936-37
 卞彭年 Richard Peng Lien Bien, *Professor of Physics.*
 B.S., Brown, D.Sc., M.I.T.
 雷美佳 Margaret Bleakley, *Registrar; Professor of English Literature.*
 B.A., B.A. (Classics Honors), M.A. Manchester; Diploma in Education, Cantab.
 陳叔元 Arthur S. Y. Chen, *Assistant Professor in Sociology.*
 B.A., St. John's; M.A., Chicago, on leave 1936-38.
 陳伯康 Beh K'ang Ch'en, *Professor of Biology.*
 B.S., Shanghai; M.S., Ph.D., Chicago.
 陳仁炳 Ren Ben Chen, *Junior Lecturer in Sociology.*
 B.A., Shanghai; M.A. Southern California; Ph.D. Michigan.
 陳文松 Wen Sung Ch'en, *Junior Lecturer in Chinese Literature.*
 B.A., Nanyang.
 柯約翰 John Leslie Coe, *Treasurer; Assistant Professor of Mathematics.* B.A., Hamilton; M.A., Michigan.
 甘施禮 Leonard Constantine, *Lecturer in History.*
 B.A., Manchester; B.A. (Honors), M.A. Cantab.
 張資琪 Tse-Gung Djang, *Professor of Chemistry.*
 B.S., Shanghai; Ph.D. Johns Hopkins.
 法約翰 John B. Foster, *Junior Lecturer in English.*
 B.A., Swarthmore.
 嘉樂滿 Norman F. Garrett, *Junior Lecturer in Economics.*
 B.S., Pennsylvania.
 何悟德 Richard Hailwood, *Junior Lecturer in English.*
 B.D., London.

- 韓 森 Haldore E. Hanson, *Junior Lecturer in English*.
B.A., Carleton.
- 蕭 戟 儒 Chi Ju Hsiao, *Lecturer in Chemistry*.
B.S., National Central; M.S., Yenching.
- 熊 子 璣 David S. Hsiung, *Professor of Physics*.
B.S., Heidelberg; M.S., Penn., Ph.D., Chicago.
- 許 宗 岳 Chung-yoh Hsu, *Junior Lecturer in Physics*.
B.S., Hua Chung; M.S., Yenching.
- 徐 復 君 Fu-Chun Hsu, *Lecturer in Biology*.
B.S., Shanghai.
- 胡 毅 I Hu, *Professor of Psychology*,
B.A., Wisconsin; M.A., Ph.D., Chicago.
- 黃 美 維 Mei Wei Hwang, *Assistant in Chemistry*.
B.S., Hua Chung.
- 黃 溥 P'u Hwang, *Dean of the School of Education; Professor of Education*.
B.A., Yale-in-China; B.A., M.A., Stanford; Ph.D., Columbia.
- 蔣 美 德 Nina G. Johnson, *Junior Lecturer in Hygiene*,
R.N., Newburyport.
- 桂 質 廷 Paul Chi-Ting Kwei, *Dean of the School of Science, Professor of Physics*.
B.A., Yale; M.S., Cornell; Ph.D., Princeton.
- 劉 明 君 Ming Chiun Liu (Mrs. R. B. Chen), *Junior Lecturer in Biology*,
B.S., Hwa Nan; M.A., Columbia; Ph.D., Michigan.
- 駱 傳 芳 Ch'uan Fang Lo, *Lecturer in Psychology*,
B.A., Hua Chung; B.D., Yenching; Ph.D., Chicago.
- 米 柳 細 Lucy Fish Miller, *Assistant Professor of English Literature*.
B.A., Mt. Holyoke.
- 包 驚 賓 Lu Ping Pao, *Assistant Professor of Chinese Literature*.
B.A., National Peking.
- 沈 祖 英 Gwendolyn Seng, *Junior Lecturer in Music*,
B.A., Ginling College.
- 邵 子 博 Tze-Po Shao, *Physical Director*,
B.Ph.Ed., National Central University.
- 馬 奉 琛 Feng-shen Ma, *Lecturer in Chinese History*.
B.A., Nankai; Research Fellow in Tsing Hua Graduate School.

- 韓 德 霖 Sam Sköld, *Lecturer in Modern Languages*,
Phil. Cand., Phil. Mag., Upsala, on leave.
- 譚 仁 義 Ren Yi Tan, *Junior Lecturer in Economics*,
B.A., Yale-in-China; B.S., Yale; M.A., Michigan.
- 薛 富 德 Frieda Fuelrer Taylor, *Lecturer in Music*.
Diploma in Music, Schuylkill, on leave 1936-37.
- 薛 世 和 Paul Vivian Taylor, *Dean of Faculty; Professor of Education*.
B.A., Muhlenberg; B.D., Theological Seminary of the Reformed Church in the U.S.; Ph.D., Hartford, on leave 1936-37.
- 會 寶 蘇 Tseng Pao Su, *Assistant in Biology*,
B.S., Hua Chung.
- 傅 其 雅 Richard T. Viguers, *Junior Lecturer in Economics*.
B.S. in Econ., Pennsylvania.
- 萬 繩 武 Shen Wu Wan, *Assistant Professor of Chemistry*,
B.S., Yale-in-China; Ph.D., Yale.
- 費 施 敦 Charles Francis Whiston, *Lecturer in Philosophy and Religion*.
B.A., Trinity; M.A., Harvard; B.D., Episcopal Theological School, Cambridge, Mass.
- 楊 允 中 Yuin Chung Yang, *Military Training Officer*.
Graduate, National Military Academy.
- 游 國 恩 Kuo-Eng Yu, *Assistant Professor of Chinese Literature*.
B.A., National Peking.

PART TIME TEACHERS

- 海 懿 貞 Margaret Crabtree, *Geography*,
B.A., Leeds.
- 康 明 德 Robert A. Kemp, *Music*,
B.S., McGill; M.A., Columbia.
- 李 輝 祖 Mark H. T. Li, *Education*.
B.A., Boone; M.Ed., Harvard.
- 費 恩 克 Fritz Fink, *German*.

STANDING COMMITTEES**Committees appointed by Board of Directors****Library**

Rt. Rev. A. A. Gilman, *Chairman*, Dr. F. C. M. Wei, Dr. P. V. Taylor, Dr. P. Hwang, Mr. J. L. Coe, Mr. S. T. Y. Seng.

Finance Committee of the School of Education

Dr. F. C. M. Wei, *Chairman*, Dr. P. Hwang, Dr. P. V. Taylor, Mr. J. L. Coe.

Finance Committee of the Schools of Science

Dr. F. C. M. Wei, *Chairman*, Dr. T. G. Djang, Mr. J. L. Coe, Dr. Francis. S. Hutchins.

Finance Committee of the School of Arts

Rt. Rev. A. A. Gilman, Dr. F.C.M. Wei, Mr. J.L. Coe.

Senate Committees**Finance Committee of the Senate**

Dr. F. C. M. Wei, *Chairman*, Mr. J. L. Coe, Dr. P. V. Taylor, Miss M. Bleakley, Dr. T. G. Djang.

Campus Planning and Housing

Dr. P. V. Taylor, *Chairman*, Dr. T. G. Djang, Dr. F. C. M. Wei.

Extension Lectures

Dr. I. Hu, *Chairman*, Mr. L. Constantine.

Ranking

All full Professors.

Self-Help

Mr. D. F. Anderson, *Chairman*, Mr. S. Y. Ch'en, Miss M. S. Tang.

Scholarship and Loans

Dr. P. Hwang, *Chairman*, Mr. I. L. Coe, Mr. D. F. Anderson, Mr. L. Constantine, Dr. F. C. M. Wei.

Social

Mrs. E. P. Miller, Jr, *Chairman*, Mrs. S. Y. Ch'en, Mrs. P. V. Taylor, Mrs. P. Hwang, Mrs. I. Hu, Mrs. F. C. Gilman, Mr. Peter P. S. Ko.

Library Administration

Rt. Rev. A. A. Gilman, *Chairman*, Dr. F. C. M. Wei, Dr. P. V. Taylor, Dr. P. Hwang, Mr. J. L. Coe, Mr. S. T. Y. Seng.

Faculty Committees**Curriculum**

Miss M. Bleakley, *Chairman*, Dr. F. C. M. Wei, Dr. P. Hwang, Dr. T. G. Djang, Dr. P. V. Taylor.

Entrance Examinations Committee

Dr. Shen Wu Wan, *Chairman*, Miss M. Bleakley, Dr. P.V. Taylor, Dr. F.C.M. Wei, Mr. L.P. Pao, Dr. C.F. Lo.

EXAMINATIONS

Entrance

All students are required to pass entrance examinations before being admitted to College. Students are required to use the same name which appears on their Middle School diplomas, when taking the examinations, otherwise the examinations will be void.

All students are required to take examinations as follows:

Chinese, English, History, General Mathematics* and one *Science* (Biology, Chemistry or Physics).

A physical examination, by a recognized physician, is required of all students. The College provides the examination forms. Students having contagious or infectious diseases, or physical defects which will prevent them from doing the required work of the College can not be admitted.

A student who fails in an entrance examination may present himself again at a regular examination period.

Transfer

Students who desire to transfer from other registered colleges or universities will be examined on the basis of the work for which they have credit in the institution from which they come and according to the department in which they desire to major in Hua Chung College, as may be determined in each case.

Students who desire to enter the Junior year are required to take the regular intermediate examinations.

Intermediate

Each student, at the end of the Sophomore year and before beginning the work of the Junior year is required to present himself for examination in five subjects, two of which shall have been studied for a minimum of 12 Credit Hours in two separate years, and three of which shall have been studied for a minimum of 6 Credit Hours. In all cases the examination covers the total amount of work which the student has had in the course.

The examinations in the Doubles (12 Credit Hour Courses) are based upon a syllabus. The syllabus may be obtained from the Dean's Office.

*Foreign students who desire to work at Hua Chung and are not candidates for a degree may substitute another language for Chinese.

Two subjects, Chinese and English, are required. The other subjects are either free to the student's choice or are prescribed by the Department in which the student desires to major.

A student, in order to be eligible for the intermediate examination must have taken, during the Freshman and Sophomore years, a minimum of 80 Credit Hours of work (inclusive of Military Training, Physical Education and Party Principles), and must have successfully passed in 64 Credit Hours (exclusive of Military Training, Physical Education and Party Principles). A student may not present himself for the intermediate examination in a subject in which he has failed until the failure is removed by repeating the course.

Before a student may present himself for the intermediate examinations he must have completed at least four semesters of Freshman and Sophomore years college work, and all his grades must be in the hands of the Registrar.

An average grade of C is required in the intermediate examinations. A student who fails in not more than one subject, offered as a 12 Credit Hour subject, or in not more than two subjects, offered as 6 Credit Hour subjects, and still maintains an average grade of C in the examinations, counting his failure or failures, is allowed to take a supplementary examination in the subject or subjects in which he has failed, not sooner than eight weeks after such failure.

A student who fails in more than the above stated number or types of subjects is required to repeat one year of college work, 30 Credit Hours, before he is allowed to present himself again for the intermediate examinations.

Final

After the successful completion of the work of the Junior and Senior years, a student is required to take final examinations covering the entire work of his Major and his Minor fields on the basis of a syllabus prepared by each of the several departments. The syllabus for each course should be procured by the student before he enters upon the work of the Junior year.

Before a student is eligible to present himself for the final examinations, he must have completed a minimum of 60 Credit Hours during his Junior and Senior years, and must have completed a minimum of 132 Credit Hours during his entire college course (exclusive of Military Training, Physical Education, and Party Principles).

A student is required, before presenting himself for the final examinations, to present a certificate from the Department in which he is majoring or minoring, certifying to the fact that he has completed the courses requisite to a Major or a Minor, as the case may be.

A minimum grade of D in each subject, and an average grade of C is required, in the final examinations.

A student who fails to get a D grade in each subject of his examination and an average grade of C therein, fails to graduate. He may try again one year later.

ASSOCIATED SENIOR MIDDLE SCHOOLS

A Senior Middle School, registered with the Government is eligible to apply to the faculty of Hua Chung College for recognition as an accredited school. Such school undertakes to maintain a high standard of scholarship and to recommend students to Hua Chung College with great care. The faculty of the College makes an investigation of the school, and if the school is found satisfactory, the accredited standing is granted.

At the present time the list of accredited schools is as follows:—

Baldwin School for Girls,	Nanchang, Kiangsi.
Boone School, Boys,	Wuchang, Hupeh.
Fuh Siang Girls School,	Changsha, Hunan.
Huping Middle School, Boys,	Yochow, Hunan.
Hwei Wen Girls School,	Nanking, Kiangsu.
Nanchang Academy, Boys,	Nanchang, Kiangsi.
P'ui Ching School, Boys,	Canton, Kwangtung
Rulison Girls High School,	Kiukiang, Kiangsi.
St. Hilda's School for Girls,	Wuchang, Hupeh.
Swatow Academy, Boys,	Swatow, Kwangtung
Wesley Middle School, Boys,	Wuchang, Hupeh.
William Nast Academy, Boys,	Kiukiang, Kiangsi.
Yali Union Middle School, Boys,	Changsha, Hunan.

FEES AND EXPENSES

The school year is divided into two semesters.

	Semester	Year
Tuition	\$ 30.00	\$ 60.00
Hostel Service & Light	20.00	40.00
Boarding	30.00	60.00
Library	5.00	10.00
Athletics	2.00	4.00
Medical	2.00	4.00
Incidentals	15.00	30.00
Biology Laboratory, per course	5.00	10.00
Chemistry Laboratory, per course	5.00	10.00
Physics Laboratory, per course	5.00	10.00
Entrance Examination	2.00	
Late Entrance Examination	4.00	
Late Registration, first day,	2.00	
each successive day, add50 N.B. 1	
Late Arrival, first day,	2.00	
each successive day, and50 N.B. 2	
English Book Rental	2.00 N.B. 3	
Education Book Rental, per course	1.00	2.00
Piano Instruction	15.00	
Piano Rental	5.00	
Music Rental at $\frac{1}{4}$ cost price	—	
Voice	5.00	
Middle School Teacher's Certificate Work in Education, per Credit Hour	3.00	

- Note:—**
1. The limit for late registration is seven school days.
 2. The limit for late arrival is seven school days.
 3. Book rentals are charged in classes in which the price of text books is so high as to make it inconvenient for the student to purchase his own text book. In that case the department purchases the text books and rents them to the student at an amount per term, based upon the cost of the books.

SCHOLARSHIP LOANS

There are a limited number of scholarships administered by the college and the co-operating units for students qualified to receive such aid some of which are administered on a loan basis and some on a scholarship basis. Details in regard to these are given below.

BOARD OF DIRECTORS SCHOLARSHIPS AND LOANS

The Board of Directors sets aside \$800 annually for scholarships of \$100 each which are administered by the scholarship committee. A student in order to be eligible for one of these must have received an average grade of C+ (2.5) in the preceding two terms.

The Board of Directors sets aside \$1000 annually as loans of \$100 each for students, administered by the scholarship committee. A student in order to be eligible for one of these must have received an average grade of C (2.00) in the preceding two terms or in the case of Freshmen students have passed his entrance examinations without a condition.

The Board of Directors sets aside \$700 annually for seven scholarships for women students which are administered by the Yen Hostel Committee. Application for these should be made to that committee.

BROWN UNIVERSITY STUDENT ASSOCIATION SCHOLARSHIPS

A sum of money has been received from Brown University Student Association to be used as scholarships and for the academic year 1936-37 the scholarship committee has decided to award one scholarship of \$200 and three of \$150 each to Juniors and Seniors. Applications should be in the hands of the scholarship committee before June, 1936.

REFORMED CHURCH SCHOLARSHIPS AND LOANS

A number of scholarships and loans are available through the Education Committee of the China Mission R.C.U.S. The number granted from year to year varies with the yearly appropriations of the Mission. A scholarship pays all tuition and laboratory fees. A loan is limited to \$150 per year, and must be repaid to the Mission without interest within a limited term of years.

METHODIST CHURCH SCHOLARSHIPS

There are a limited number of Methodist Mission Scholarships, applications for which should be made to the Scholarship Committee of the Methodist Church.

LONDON MISSION SCHOLARSHIPS

There are two loan scholarships of \$100 each from the London Missionary Society, applications for which should be made to the District Secretary of the London Missionary Society.

AMERICAN CHURCH MISSION SCHOLARSHIPS

There are a limited number of Sheng Kung Hui Loan scholarships, applications for which should be made to the Rev. C. F. Whiston.

STUDENT SELF-SUPPORT

It is the policy of the College to assist needy students in finding remunerative work with which to supplement their incomes. This work is under the direction of the self-help committee. Two conditions make it impossible for students to be entirely self-supporting: the competition of illiterate labor and the heavy load of studies which the student must carry in order to get the degree in four years. Nevertheless, it is possible for students to do certain types of work, for which the remuneration, while inadequate for complete self-support, will help toward the student's incidental and other minor fees.

RESIDENCE

All regular students are required to live in a hostel of the College and to conform to its regulations. A student not living in a hostel and partaking of its life, is not regarded as *in residence*.

BOARDING

The student boarding arrangements are in the hands of a committee of students, elected by the student body, together with one member of the faculty, who is appointed by the hostels, and who acts as advisor and treasurer.

The committee determines the fee for each term. The hostels collect the fees.

DEGREES

Hua Chung College, in accordance with the regulations of the Ministry of Education, grants four degrees, Bachelor of Arts, Bachelor of Education, Bachelor of Science and Bachelor

of Commerce, to those students who have fulfilled the requirements for the degree in the respective schools of Arts, Education and Science.

REQUIREMENTS FOR GRADUATION

1. A minimum of four years, eight semesters, college work.
2. A minimum of two years residence at Hua Chung College. (See under *Residence*).
3. A minimum of 132 Credit Hours* of work, divided as follows:—
 - a) A minimum of 80 **Credit Hours during the Freshman and Sophomore years.
 - b) A minimum of 60 **Credit Hours during the Junior and Senior years.
4. The completion of the work of one Major and one Minor (See under *Majors* and *Minors*).
5. An average grade of C for the work of the four years.
6. The presentation of an acceptable thesis, in accordance with Government requirements.
7. Successful passing of both Intermediate and Final Examinations. (See under *Examinations*).
8. The recommendation of the Faculty, and the sanction of the Senate.

MAJORS AND MINORS

Three-fourths of the entire work of the student during the Junior and Senior years must be devoted to the Major courses and the Minor courses or related subjects.

Two-thirds of the minimum number of Credit Hours required in any one Major must be obtained during the Junior and Senior years.

The Minimum number of Credit Hours required for the completion of Majors and Minors in the various Departments is as follows:—

*Exclusive of Party Principles and Military Training.

**Inclusive of Party Principles, Military Training and Physical Education.

School	Department	Major	Minor
Arts	Chinese	44	24
	Commere-Economics	42	22
	English*	38	18
	Philosophy	—	22
	History—Sociology.. .. .	49	20**
Science	Biology	48	22
	Chemistry.. .. .	50	24
	Mathematics***	—	18
	Physics	36	18
Education	Education.. .. .	40	22
	Psychology	48	20
	Music	—	22

CREDIT HOUR

A Credit Hour is determined as the equivalent of one lecture hour per week for one term of at least 17 weeks, or three clock hours laboratory work per week for a term of at least 17 weeks, including an examination in the subject studied.

No. credits are given for a course in which the class has met less than 14 periods per credit hour.

QUALITY CREDIT

Quality Credit has reference to the work of the student in comparison with the norm of a mediocre student. This norm is designated as 1, and indicates that the student is doing the quality of work which will allow him to remain in College but not of sufficiently high quality to warrant the College in graduating him. The student is required to obtain 2 Quality Credits, for each Credit Hour, in order to graduate.

Grading System

Grade	Equivalent	Quality Credits
A	90—100%	4
B	75— 89%	3
C	60— 74%	2
D	50— 59%	1
F	0— 49%	Failure

*Excluding general college requirements in English.

**Either Sociology or History.

***Only one course below 201 may be counted.

Minimum Passing Grade for each course: D.

Graduation Requirements; Average grade of C.

Probation: Term average grade below D.

A student with two successive term averages below D is automatically dropped.

Intermediate Examination Requirement for passing: Average grade, C.

Final Examination Requirement for passing; average grade, C in Major Courses and C in Minor Courses.

COURSES OF INSTRUCTION

SCHOOL OF ARTS

DEPARTMENT OF CHINESE LITERATURE

Assistant Professor L. P. Pao, Head

- 101-102 **Prose Selections** 歷代文名著選
4 credits.
Lecture and recitation: 2 hours.
The selections are made so as to represent the spirit and development of literature in different ages.
- 103-104 **Rhetoric and Composition** 修辭學及作文
2 credits.
Lecture and recitation: 1 hour.
Studies in style, classification and construction of prose and poetic compositions. Cannot be taken separately from 101-102.
- 105-106 **Introduction to the Study of the Chinese Written Language** 文字學發凡
4 credits.
Lecture and recitation: 2 hours.
General principles and theories of the forms, sounds and meanings of Chinese characters, and their correct usages.
- 107-108 **Introduction to Chinese Literature** 中國文學通論
4 credits.
Lecture and recitation: 2 hours.
An analysis of the form and content of the various types of Chinese literature.
- 109-110 **Kuo Ku** 國故概要
6 credits.
Lecture and recitation: 3 hours.
An introduction to the different departments of Chinese literature from the Chow dynasty onward.

- 203-204 **History of Chinese Literature** 中國文學史
6 credits.
Lecture and recitation: 3 hours.
Tracing the rise, development and decadence of the several types of Chinese literature in different periods. Research studies into historical sources. Evolution.
- 205-206 **Selected Verse** 歷代詩選 (Term Courses.)
4 credits.
Lecture and recitation: 2 hours.
A critical study of selected writings from antiquity to modern times. A comparative study of the older and newer forms of expression. Compositions in the verse of different types are required of the student.
- 207-208 **Prose Literature B.C. 200-A.D.600** 漢魏六朝文選
4 credits.
Lecture and recitation: 2 hours.
Typical works of the Han, Wei and the Six Dynasties. Special attention to style and rhetorical skill.
- 209-210 **Prose Literature Since 600 A.D.** 唐宋以降文選
4 credits.
Lecture and recitation: 2 hours.
Typical works of authors from the Tang and Sung Dynasties down to the present time. Elementary critical studies.
- 211-212 **Origin and Development of the Classics** 經學通論
4 credits.
Lecture and recitation: 2 hours.
A comparative study of the views of various scholars and the problems of their disputes.
- 213-214 **Introduction to the Textual Criticism of Ancient Chinese Writings** 古書校讀法
4 credits.
Lecture and recitation: 2 hours.

- 301-302 **Development of Character Writing** 文字形體學
4 credits.
Lecture and recitation: 2 hours.
Tracing the evolutionary and metamorphic stages in the development of character writing and reviewing the established theories of the past generations.
- 303-304 **Chinese Philology** 聲韻學
4 credits.
Lecture and recitation: 5 hours.
A study of the system of pronunciation according to the modern tonal system. A comparative study of tonal developments in ancient times
- 305-306 **Introduction to the Study of the Chinese Classical Language** 訓詁學
4 credits.
Lecture and recitation: 2 hours.
Comparative study of the changing meaning of the Chinese written language based on the classical dictionaries of various periods.
- 307-308 **Han and Wei Poetry** 漢魏六朝詩選
4 credits.
Lecture and recitation: 2 hours.
Selected poems from the Han, Wei and Six Dynasties, with special attention to lyric verse.
- 309-310 **Tang and Sung Poetry** 唐宋以降詩選
4 credits.
Lecture and recitation: 2 hours.
- 311-312 **Ch'ih Hsien** 詞選
4 credits.
Lecture and recitation: 2 hours.
- 313-314 **History of Chinese Poetry** 中國詩選
4 credits.
Lecture and recitation: 2 hours.

- 315-316 **History of the Chinese Novel** 中國小說史
4 credits.
Lecture and recitation: 2 hours.
- 317-318 **History of the Chinese Drama** 中國戲劇史
4 credits.
Lecture and recitation: 2 hours.
- 319-320 **History of Chinese Philosophy** 中國哲學史
6 credits.
Lecture and recitation: 3 hours.
A general survey of philosophical thought during the last three thousand years.
- 321-322 **Modern Literary Tendencies** 現代文藝思潮
4 credits.
Lecture and recitation: 2 hours.
A detailed study of the literary renaissance of the last two decades.
- 323-324 **Philosophy from the Sung to the Ch'ing Dynasties.**
四朝學案
4 credits.
Lecture and recitation: 2 hours.
- 401-402 **Research Problem: Subject and Credits to be Arranged**
A detailed investigation, on the part of the student, of a subject agreed upon.

DEPARTMENT OF FOREIGN LANGUAGES*Professor M. Bleakley, Head.***ENGLISH**

- 101-102 **Freshman Composition**
6 credits.
Lecture and recitation: 3 hours.
Training in comprehension and expression of oral and written English.
- 103-104 **Freshman Literature**
4 credits.
Lecture and recitation: 2 hours.
A study of some modern short stories, of at least one novel, of one modern play, and of some poetry.
- 107-108 **Special Freshman English**
6 credits.
Lecture and recitation: 4 to 6 hours.
A special course for Freshman students who have been conditioned in English in the entrance examination.
- 201-202 **Sophomore Composition**
4 credits.
Lecture and recitation: 2 hours.
A course aiming to cultivate the use of English as a tool, through detailed study of modern English prose passages.
- 203-204 **Sophomore Literature***
4 credits.
Lecture and recitation: 2 hours.
A study of two novels, of some short stories, of some of Shakespeare's plays, and of some modern plays.
- 207 **Eighteenth Century Literature**
3 credits.
Lecture and recitation: 3 hours.
A study of selected works of the eighteenth century to illustrate the literary and intellectual tendencies of the age and to serve as a foundation for the courses in nineteenth century literature.

*Cannot be taken separately from Eng. 201-202.

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- 211-212 **Modern Drama**
4 credits.
Lecture and recitation: 2 hours.
A study of the function of drama in modern times based upon a survey of the plays of Ibsen, Shaw, Galsworthy, Barrie and O'Neill, with some attention to other dramatists.
- 213-214 **Shakespeare**
4 credits.
Lecture and recitation: 2 hours.
A general study of Shakespeare with special attention to his plays as divided into broad groups which illustrate the divisions of Shakespeare's life; with reference also to the origin and technique of the drama.
- 216 **Modern Short Stories**
2 credits. Open to Majors and Minors.
Lecture and recitation: 2 hours.
A study of the development of the short story as seen in the work of selected American and English writers with special attention to its technique and significance.
- 217 **Modern English Essays**
2 credits.
Lecture and recitation: 2 hours.
Critical analysis of various types of essays by modern English writers.
- 301-302 **English Prose of the Last Hundred Years**
6 credits.
Lecture and recitation: 3 hours.
A seminar study of some of the more important prose writers with emphasis on their relationship to the social, intellectual and religious movements of their time.
- 303-304 **English Poetry of the Last Hundred Years**
6 credits.
Lecture and recitation: 3 hours.
A study of selected poets from the French Revolution to the present, with emphasis on certain periods and some attention given to the nature of poetry.

- 307-308 **A Detailed Study of One or More Modern Writers**
4 credits.
Seminar: 2 hours.
A seminar study of one or more modern writers taking up the life, influence, works, style and aims of the writer or writers.
- 309-310 **Advanced English Composition**
4 credits.
Lecture and recitation: 2 hours.
A continuation of English 201-2 with more detailed study of form and style.
- 311-312 **A Study of Literary Types**
4 credits.
Lecture and recitation: 2 hours.
A course presenting the essentials and differentiating features of the various types of English literature.
- 401-402 **Research Problem**
4 credits.
Conference: 2 hours.

FRENCH

- 301-302 **First Year French**
4 credits.
Lecture and recitation: 4 hours.
Grammar Easy texts. Translation into Chinese.
Translation of easy texts into French.
Text: Boucher, Introduction.
- 303-304 **Second Year French**
4 credits.
Lecture and recitation: 3 hours.
Translations into French. Grammar. Reading of extracts from French authors. Conversation.
Text: Haouisée, Extraits.

GERMAN

- 301-302 **First Year German**
4 credits.
Lecture and recitation: 4 hours.
Grammar. Easy texts. Translation into Chinese.
Translation of easy texts into German.
Texts: Sander, Lehrbuch der Deutschen Sprache für Chinesen. Sander, Deutsches Lesebuch I.

303-304 Second Year German

4 credits.

Lecture and recitation: 3 hours.

Grammar. Readings. Translation.

Texts: As in 301-302, with the addition of Sander,
Deutsches Lesebuch II.**HISTORY - SOCIOLOGY DEPARTMENT***Assistant Professor A. S. Y. Chen, Head.***HISTORY****101-102 Western History**

6 credits.

Lecture and recitation: 3 hours.

A general course of the West in outline with special attention to the period from the French Revolution to the Great War.

103-104 General History of China

6 credits.

Lecture and recitation: 3 hours.

Racial, cultural, political and economic development and their inter relations.

203-204 English History

6 credits.

Lecture and recitation: 3 hours.

Prerequisite: 101-102.

Making of the nation; economic conditions; political institutions, cultural developments and overseas activities in modern times.

205-206 Economic History

(Identical with Economics 303-304)

207-208 History of Christianity

4 credits.

Lecture and recitation: 2 hours.

Prerequisite: 101-102.

Origin and development; position in the Mediaeval world; Reformation and Counter Reformation; contribution to world culture.

311 History of Western Civilization

3 credits.

Lecture and recitation: 3 hours.

Prerequisite: 101-102.

Cultures of the Mediterranean and their contribution to Mediaeval and Modern Europe; revolutionary movements, Industrial Revolution, rise of the modern national state.

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- 319-320 **Special Subject (Term Courses)**
3 credits per term.
Lecture and recitation: 3 hours.
Subjects announced in advance.

SOCIOLOGY

- 101-102 **Introductory Sociology**
6 credits.
Lecture and recitation: 3 hours.
Designed to orient the students in the social sciences and to give a working system of thought about society. Prerequisite to all courses in sociology.
- 205(206) **Social Problems**
3 credits.
Lecture, recitation and field trips: 3 hours.
A study of the nature, extent, causes, effects and control of the problems of poverty, dependency, crime, health, mental deficiency and mental diseases, with special application to conditions in China.
- (207)208 **The Family and the Child**
3 credits.
Lecture and recitation: 3 hours.
The first part deals with the family as a center of interacting personalities; the investigation of the family problems in terms of the personal development of its members and the mores of the group; and the evaluation of the theories regarding the family disorganization and reorganization. The second part deals with the Child himself; the Child and the Home; the Child and the School; the Child and the Community; and the Child and the State.
- 301-302 **Cultural Anthropology**
6 credits.
Lecture and recitation: 3 hours.
A general introduction to the study of man and his culture. Emphasis will be laid on the comparison of primitive social organizations, religions, art, mythology, language, etc.

- (305)306 **Social Change**
3 credits.
Lecture and recitation: 3 hours.
A study of the processes and factors of social change, including such topics as the growth of material culture, processes of change in non-material culture, the role of change in social change, the theories of cultural lags, cultural inertia, etc.
- 308 **Social Philosophy**
3 credits.
Lecture and recitation: 3 hours.
Designed to give the students of social sciences a foundation of which they may formulate their own social and political theories. Five representative works are studied with criticism: Plato, The Republic; Rousseau, Social Contract; Mill, Liberty; Hobhouse, Elements of Social Justice; Lee, Essentials of Marx.
- 309 **Social Psychology**
3 credits.
Lecture and recitation: 3 hours.
A study of the psychological factors involved in group behaviour and the adjustment of the individual to social situations.
- 315(316) **Population**
3 credits.
Lecture and recitation: 3 hours.
A survey of the theories and policies of population; a study of the growth, composition and distribution of world population; and the individual research of certain specific population problems.
- 317-318 **Rural-Urban Sociology**
6 credits.
Lecture, recitation and field trips: 3 hours.
A study of the fundamental principles of rural-urban social development, including an analysis of the forces and factors of rural-urban community life and the evaluation of the ways and means toward the solution of community problems.

(319) 320 Criminology

3 credits.

Lecture and recitation: 3 hours.

A general survey of prevailing theories of crime and the historical development of criminal justice. An advance study of the extent, causes, effects and prevention of the problems of delinquency and crime, with special application to conditions in China.

321-322 Seminar

4 credits.

Personal investigation of assigned problems under guidance of the Department.

(323) 324 Contemporary Sociological Theories

3 credits.

Lecture and recitation: 3 hours.

A critical study of the theories of the contemporary sociological schools.

325 (326) Methods of Social Investigation

3 credits.

Lecture, recitation and field study: 3 hours.

Designed to implement the students with the knowledge of accumulating social data, to familiarize them with sources of sociological material, to develop a critical attitude toward social statistics and social surveys and to apply the principles and techniques through field study.

327-328 Principles and Methods of Social Case Work

6 credits.

Lecture, recitation and field work: 3 hours.

The class work includes the principles of social case work by examining the available literature and selected case records; the analysis of the social study, the interview, methods of recording, social diagnosis and treatment as demonstrated in specific cases. The field work deals with the study of case work technique by handling cases, which present concrete family or individual problems.

(329) 330 Social Administration

3 credits.

Lecture and recitation: 3 hours.

A study of the problem of administration that confronts the executive of any social welfare agency, including the problems of personnel, finance and budget-making, office equipment and office management.

401-402 Research Problem

4 credits.

Hours to be arranged.

POLITICAL SCIENCE**101-102 Party Principles**

2 credits.

Lecture and recitation: 1 hour.

The origin, history and policies of the Kuomintang. The theories of the San Ming Chu I. The basis of the state under a five power constitution.

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DEPARTMENT OF ECONOMICS AND COMMERCE*Mr. N. F. Garrett, Head.***ECONOMICS SECTION**

- 101-102 **Principles of Economics with Special Reference to China.**
6 credits.
Lecture and recitation: 3 hours.
The background of the economic struggle, economic history, population problems and natural environment of China; theory and problems in production, exchange, distribution and consumption.
- 103-104 **World Geography.**
6 credits.
Lecture and recitation: 3 hours.
A study of the geography of the world with special emphasis on the economic interpretation features.
- 201-202 **Money and Banking.**
6 credits.
Lecture and recitation: 3 hours.
A study of fundamental monetary principals as applied to China's currency history, together with banking systems of the United States, England, Canada and France. The history and practice of the modern Chinese bank.
- 203-204 **Contemporary Economic Thought.**
4 credits.
Lecture and recitation: 2 hours.
An analysis of the most important economic theories of the present century and their influence on the nations in which they have occurred.
- 205-206 **Geography of China.**
6 credit.
Lecture and recitation: 3 hours.
The economic interpretation of Chinese geographical features.
- 301-302 **Public Finance.**
6 credits.
Lecture and recitation: 3 hours.
Public Finance—A general survey of the theory of public expenditures, public revenue and financial administration and a study of practical public finance in China.

- 303-304 **Economic History.**
6 credits.
Lecture and recitation: 3 hours.
Prerequisite: Economics 101-102; History 101-102.
A comprehensive study of the more important economic developments in China, England, France, Germany, the United States, Russia and Japan.
- 321-322
323-324 **Seminar in Economics.**
Credits arranged.
Lecture and conference.
Prerequisite: Economics 303-304.
- 401-402 **Research Problem.**
Seminar: 2 hours.

COMMERCE SECTION

- 101-102 **First year Accounting.**
6 credits.
Lecture and recitation: 3 hours.
- 201-202 **Elementary Statistics.**
6 credits.
Lecture and recitation: 3 hours.
Prerequisite: Math. 101-102, or its equivalent.
Identical with Math. 105-106.
- 203-204 **Second Year Accounting.**
3 credits.
Lecture and recitation: 3 hours.
A continuation of Commerce 101-102 through corporation accounting including a voucher system set.
- 205-206 **Fire and Marine Insurance.**
6 credits.
Lecture and recitation: 3 hours.
A general survey of the theory and practice of property insurance in China and abroad with practical problems.
- 301-302 **Business Associations and their Financial Organization.**
6 credits.
Lecture and recitation: 3 hours.
A study of the business associations in China as defined by the Civil Code and the Company Law and a survey of modern corporate finance.

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- 303-304 **Principles of Accounting.**
6 credits.
Lecture and recitation: 2 hours.
Laboratory: 1 period of 3 hours.
Prerequisite: Junior standing.
A study of principles and practice of general accounting with special attention to single-proprietorship, partnership, and corporation form of accounts.
- 311-312 **Commercial Law.**
6 credits.
Lecture and recitation: 3 hours.
A study of modern Chinese law and cases on Contracts, agency, sales, negotiable instruments, property, domestic relations, and succession.
- 313-314 **Special Accounting.**
2-4 credits per semester.
Lecture and recitation: 1-2 hours.
Laboratory: 1 period of 3 hours.
Prerequisite: Commerce 303-304.
The class may select the special field of accounting with consent of the Department.
- 317 (318) **Principles and Practice of Marketing.**
3 credits.
Lecture and recitation: 3 hours.
Prerequisite: Commerce 305.
Principles, methods and problems of marketing; the functions characteristics and merchandising problems of the more important middlemen.
- 319-320 **Foreign Trade of China.**
6 credits.
Lecture and recitation: 3 hours.
A study of the Natural resources of China, the history of China's foreign trade, balance of payments, and contemporary commercial methods.
- 321-322 **Seminar in Commerce.**
323-324
Credits to be determined.
Lecture and conference to be arranged.
- 401-402 **Research Problem.**
4 credits.
Seminar: 2 hours.

DEPARTMENT OF PHILOSOPHY*Rev. C. F. Whiston, Head.***PHILOSOPHY**

- 203-204 **History of Western Philosophy**
6 credits.
Lecture and recitation.
The development of philosophical thought from the time of the Greeks to the present.
- 205-206 **Introduction to Philosophy**
6 credits.
Lecture and recitation.
An elementary study of the problems concerned with the nature of the universe, the nature of man, and the nature of God.
- 207 **Introduction to Ethics**
3 credits.
Lecture and recitation.
A study of the concepts "good" and "evil", "right" and "wrong", "freedom". The metaphysical presuppositions of ethics, utilitarianism, intuitionism.
- 211-212 **Logic**
6 credits.
Lecture and recitation.
A study of formal logic, including a review of Indian logic, an analysis of the scientific method together with an introduction to symbolic logic.
- 301 **Contemporary Philosophy**
3 credits.
Lecture and recitation.
Idealism; pragmatism; neo-realism; vitalism.
- 303 **History of Indian Philosophy**
3 credits.
Lecture and recitation.
A study of the philosophy of the Upanishads, the great heresies, and the development of Buddhist philosophy in India.

- 304 **History of Buddhist Philosophy**
3 credits.
Lecture and recitation.
A study of the backgrounds of Buddhism in India, the teachings of Gotama, and the development of the Buddhist schools in both India and China.
- 305 **Ethical Theories and Problems**
3 credits.
Lecture and recitation.
The main types of ethical theories in the West, their comparison with Chinese ethical theories, and their bearing on ethical problems of the present day.
- 307 **Plato**
3 credits.
Lecture and recitation.
A careful study of some of Plato's more important dialogues, together with a systematic study of Plato's philosophy.
- 308 **Kant**
3 credits.
Lecture and recitation.
A critical study of the Critique of Pure Reason together with supplementary reading in the Critique of the Practical Reason and the Critique of Judgment.
- 309 **Modern Philosophical Writings**
3 credits.
Lecture and recitation.
The student is required to read critically the representative writings of one of the following: Bradley, Bosanquet, Hobhouse, Alexander, Bertrand Russell, Royce, James, Bergson.

COURSES IN RELIGION

- 201-202 **Introduction to the History and Philosophy of Religion**
6 credits.
Lecture and recitation.
A study of the rise and development of religion in the various stages of civilization, together with a philosophical study of the nature of religion and religious knowledge, the meaning and validity of such religious ideas as God, Purpose, Personality, Value, Freedom, Immortality.

- 213 **Church History in Outline**
(Identical with History 207)
- 311 **Social Teachings of Jesus**
3 credits.
Lecture and recitation.
A study of the implications of Jesus' teachings and their application to present day problems.
- 316 **Religious of the World**
3 credits.
Lecture and recitation.
A study of the various religions of the world.
- 317 **Introduction to the Study of the New Testament**
2 credits.
Lecture and recitation.
The formation, historical background, contents of the New Testament from a modern critical point of view.
- 411-412 **Literature and Religion of the Old Testament**
6 credits.
Lecture and recitation.
A critical study of the history, the religion, and the literary formation of the Old Testament.
- 415-416 **Literature and Theology of the New Testament**
6 credits.
Lecture and recitation.
A critical study of the literary formation and the religious ideas and development in the New Testament.
- 417-418 **New Testament Exegesis (selected books)**
6 credits.
Lecture and recitation.
A critical exegesis of selected books of the New Testament.
- 421-422 **Church History to the year 1500**
6 credits.
Lecture and recitation.
A religious and historical study of the development of the Christian Church to the year 1500.
- 423 **Church History since 1500**
3 credits.
Lecture and recitation.
A study of the development of Christianity since 1500.

- 424 **Mission.**
3 credits.
Lectures and recitation.
A study of the spread, methods and principles of Missions.
- 431-432 **System of Theology.**
6 credits.
Lectures and recitation.
A sytematic study of the doctrines of Christian theology.
- 434 **Problem in Theology.**
3 credits.
Lectures and recitation.
An intensive study of a selected theological problem.
- 435 **Liturgics.**
3 credits.
Lectures and recitation.
A study of the principles and history of Christian Worship with especial treatment of the History and Use of the Book of Common Prayer.

The College requirement in Philosophy for Sophomores must be chosen from

Phil 203-204 or 205-206.
and Phil 201-202.

Courses in religion marked in the 400's are open only to qualified senior students except by special permission.

SCHOOL OF SCIENCE

DEPARTMENT OF BIOLOGY

Professor B. K. Ch'en, Head.

BIOLOGY

- 101 **General Zoology.**
5 credits.
Lecture and recitation: 3 hours.
Laboratory: 2 periods of 3 hours each.
An introduction to the study of zoological principles, history of zoology and the main types of invertebrates—their structure, development, locomotion, methods of feeding, adaptation, habitat, distribution, etc. Discussion on a few important zoological theories, modern and old.
- 102 **General Zoology.**
5 credits.
Lecture and recitation: 3 hours.
Laboratory: 2 periods of 3 hours each.
A study of the structure of vertebrates, their general processes of development and evolution of various organ systems, to prepare students for the study of comparative anatomy and embryology.
- 103-104 **General Botany.**
8 credits.
Lecture and recitation: 2 hours.
Laboratory: 2 periods of 3 hours.
Morphology and physiology of the plant body. The relation of plants to their environment and the evolutionary relationship between the different groups of plants.
- 105,106 **Principles of Biology.**
6 credits. For non-science majors.
Lecture and recitation: 2 hours.
Laboratory: 1 period of 3 hours.
A course on the fundamental structure and functions of living things. Brief discussions on heredity and evolution. Emphasis on problems of human interests.

205-206 Comparative Anatomy (Vertebrate).

6 credits.

Lecture and recitation: 1 hour.

Laboratory: 2 periods of 3 hours each.

Prerequisite: Biology 101-102.

A comparative study of various organ-systems of vertebrates to show their fundamental plan and processes of evolution from the viewpoint of development. Emphasis on laboratory work.

301-302 Genetics.

4 credits.

Lecture and recitation: 2 hours.

Prerequisite: Biology 101-102, or 105-106.

Principles of heredity and variation. Present status of various problems of genetics. Brief survey of some problems and methods of animal and plant breeding. Heredity in man.

303(304) General Embryology.

4 credits.

Lecture and recitation: 3 hours.

Laboratory: 2 periods of 3 hours each.

Prerequisite: Biology 101-102; 205-206.

Principles of animal development from the origin and formation of the germ cell, through fertilization, cleavage and germ-layer formation to the establishment of organ systems. Review of the results of recent experimentation on the mechanism of development.

(305)306 Animal Histology.

4 credits.

Lecture and recitation: 2 hours.

Laboratory: 2 periods of 3 hours each.

Prerequisite: Biology 101-102.

A study of the microscopic structures of cells and tissues. Histological technique is emphasized.

(307)308 General Bacteriology

4 credits.

Lecture and recitation: 2 hours.

Laboratory: 2 periods of 3 hours each.

Morphology and activities of microorganisms and their importance in human diseases, industrial processes, agriculture and everyday life.

309-310 General Physiology

8 credits.

Lecture and recitation: 2 hours.

Laboratory: 2 periods of 3 hours each.

Prerequisite: Biology 101-102; Biology 103-104; General Chemistry; General Physics.

Principles of vital phenomena as interpreted on the basis of physico-chemical laws. Emphasis on the life activities common to the plants and animals, including man.

311-312 Biological Seminar

2 credits.

1 seminar period.

Review of current literature on important problems and methods in biological investigation.

315(316) Protozoology

4 credits.

Lecture and recitation: 2 hours.

Laboratory: 2 periods of 3 hours each.

Prerequisite: Biology 101-102.

An intensive study based on the morphological physiological and systematic survey of the protozoans, emphasizing the relation of protozoans to disease and human welfare.

317(318) Twinning

2 credits.

Seminar: hours to be arranged.

A study of various types of twins in vertebrates and invertebrates, the mode and cause of twinning. Discussion on various theories and experimental work.

321(322) Animal Parasitology

4 credits.

Lecture and recitation: 2 hours.

Laboratory: 2 periods of 3 hours each.

Prerequisite: Biology 101-102.

Morphology, life-history, mode of infection, pathogenicity and control of animal parasites.

(323)324 General Entomology

4 credits.

Lecture and recitation: 2 hours.

Laboratory: 2 periods of 3 hours each.

Prerequisite: Biology 101-102.

The morphological characteristics of insects and the representatives of the different orders; their evolutionary relationship, life history, economic importance and methods of control.

325(326) Experimental Embryology

3 credits.

Lecture and recitation: 2 hours.

Laboratory: hours to be arranged.

Prerequisite: Biology 303.

A study of the mechanism of development. Significance of fertilization, problems of localization, differentiation and induction. Organizer theory, axial gradient theory, etc. Some experimental work is required.

(327)328 Comparative Histology

3 credits.

Lecture and recitation: 1 hour.

Laboratory: hours to be arranged.

Prerequisite: Biology 303 and 306.

A comparative study of the microscopic structures of certain organs in various animals. Emphasis on laboratory technique to prepare students for research work.

(329)330 Evolution

3 credits.

Lecture and recitation: 3 hours.

Prerequisite: Biology 301-302.

The phylogenetic relationship among animals and plants. Critical review of various theories of the origin and evolution of life. Evidences. The descent of man.

331-332 Zoological Technique

2 credits.

Laboratory: 1 period.

(333)334 Teaching of Biology

2 credits.

Lecture and recitation: 2 hours.

Prerequisite: Biology 101-102, 103-194.

A study of teaching material, laboratory equipment, methods of teaching, and various teaching aids in elementary courses in Biology, Botany, and Zoology in middle schools.

401-402 Special Problem

2 credits.

Independent investigation of a simple biological problem, under the supervision of a staff member of the department.

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DEPARTMENT OF CHEMISTRY*Professor T. G. Djang, Head.*

- 101 **General Chemistry**
5 credits.
Lecture and recitation: 3 hours.
Laboratory: 2 periods of 3 hours each.
This course aims to orient students in "chemical reasoning". Gas laws in their simple form, types of chemical reactions and the principles connected therewith, the periodic system and compounds of non-metallic elements. Emphasis is placed on good technique and interpretation of results obtained in the laboratory.
- 102 **General Chemistry (Qualitative Analysis)**
5 credits.
Lectures and recitations: 3 hours.
Laboratory: 2 periods of 3 hours each.
Prerequisite: Chem. 101.
A continuation of Chem. 101. The metallic elements and their compounds, theories and laws related to qualitative analysis such as physical and chemical equilibrium, hydrolysis, etc. A number of unknowns will be issued to students as tests of their achievement.
- 193-104 **Pandemic Chemistry**
6 credits. For Non—science Majors.
Lecture and recitation: 3 hours.
This course aims to give students some acquaintance with the general philosophy of this physical science and its manifold bearing upon the life of each one of us. A number of assigned readings during the second term.
- 201 **Elementary Physical Chemistry**
5 credits.
Lecture and recitation: 3 hours.
Laboratory: 2 periods of 3 hours each.
Prerequisite: Chemistry 101-102.

- Covers laws of chemical combination, solution, various types of equilibrium, etc. The approach will be less mathematical than a formal course in physical chemistry. The substance will be based largely upon Chapin's Second Year Chemistry. The work in laboratory will consist chiefly of simple physico-chemical measurements and synthesis of some complex inorganic compounds.
- 204 **Elementary Quantitative Analysis (Inorganic)**
5 credits.
Lecture and recitation: 3 hours.
Laboratory: 2 periods of 3 hours each.
Prerequisites: Chem. 101-102.
Discussions on theories and laws related to different analytical operations and processes, such as neutralization, precipitation, oxidation, reduction and electrolytic determinations, together with work in the laboratory. A large number of problems practical will be assigned to students, enabling them to understand the applicability of various methods.
- 301 **Elementary Organic Chemistry.**
5 credits.
Lecture and recitation: 3 hours.
Laboratory: 2 periods of 3 hours each.
Prerequisite: Chem. 101-102.
The fundamental principles of organic chemistry, the general properties and preparation of classes of organic compounds together with the elementary study of general reactions. The laboratory work will involve the preparation of selected aliphatic and aromatic compounds, and their identification.
- 303-304 **Advanced Physical Chemistry (Chemical Physics)**
8 credits.
Lecture and recitation: 3 hours.
Laboratory: 3 hours.
Prerequisites: Mathematics 103-104, Physics 101-2, Chemistry 201-102.

This course aims at giving students a thorough understanding of the fundamental theories and laws that are the frame-work of all the other branches of chemical science. Laws governing states of matter, the physical properties and molecular constitution, chemical kinetics, solutions of non-electrolytes and electrolytes, thermo-chemistry, etc. Selected experiments.

305(306) **Advanced Quantitative Analysis.**

3 credits.

Lecture and laboratory periods arranged.

Prerequisite: Chem. 204.

The substance of this course will largely be based on Kolthoff's Volumetric Analysis and Smith: Analytical Processes, with discussions on topics such as the Choice of Standards, Adsorption Indicators, Oxidation-reduction Indicators, Organic Precipitants, Coprecipitation, etc.

307 **Advanced Inorganic Chemistry.**

4 credits.

Lecture and recitation: 2 hours.

Laboratory: 2 periods of 3 hours each.

Prerequisites: Chem. 204.

This course aims at giving students an understanding of recent advances in inorganic chemistry with particular consideration of the chemistry of rare earth elements complex compounds.

Laboratory, work: preparing more complex inorganic substances.

310 **Advanced Organic Chemistry.**

4 credits.

Lecture and recitation: 2 hours.

Laboratory: 2 periods of 3 hours each.

Prerequisite: Chem 301.

A more detailed study of organic chemistry from the theoretical viewpoint, followed by consideration of general methods of synthesis. The underlying theories having been established, detailed consideration of classes of compounds, such as unsaturated substances, sugars, alkaloids, and terpenes follows. The laboratory course is a continuation of that in Chem. 301.

311(312) **History of Chemistry.**

3 credits.

Lecture and recitation: 3 hours.

Prerequisite: Chem. 201.

A survey of the evolution of theories and laws of chemistry from the alchemists' period to the present time. Life and works of great chemists upon which the progress of chemical science has centered.

(313)314 **Technical Analysis.**

6 credits.

Laboratory: 3 periods of 3 hours each.

Prerequisite: Chem. 204.

Analysis of oils, coals, iron, water, and a number of native commercial and industrial products.

315 **Organical Analysis (Qualitative and Quantative)**

4 credits.

Lecture and recitation: 1 hour.

Laboratory: 3 periods of 3 hours each.

Prerequisites: Chem. 301.

Detection, identification and estimation of the various classes of organic compounds. A number of unknowns will be issued to students. Students will be required to make use of the combustion apparatus for the ultimate analysis of various constituents of organic substances.

317-318 **Thermodynamics.**

6 credits.

Lecture and recitation: 3 hours.

Prerequisites: Chem. 303-304.

This course is devoted the study of the theory of pure thermodynamics and its applications to the science of chemistry. Concepts of energy, entropy, changes of free energy and the calculation of equilibrium constants from available data, cell reaction etc.

321-322 **Industry Chemistry.**

3-2 credits.

Lecture and recitation: 3 hours in the first term.

2 hours in the second term.

Laboratory: to be arranged.

Prerequisites: Chem. 303-304, Mechanical Drawing.

The first semester will be divided into three parts:—

- (1) Factory administration and organization.
- (2) The construction of plant.
- (3) General survey of the World's Industries.

The consideration of native industries will follow in the second semester.

323(324) Methods of Teaching Chemistry in the Secondary School.

3 credits.

Lecture and recitation: 3 hours.

This course deals with: Objectives of teaching chemistry in High school, Selection of text-book, classroom management, use of various forms of tests, methods of teaching special topics, lecture demonstrations, teaching aids, laboratory management, purchasing of apparatus and chemicals, Selection of books on chemistry for outside reading, etc, etc.

(325) 326 Instrumental Method of Chemical Analysis.

2 or 3 credits.

Laboratory: 2 or 3 periods.

Prerequisite: Chem. 204, 303-304.

Gas analysis, photochemical analysis, Electrometric titrations, etc., etc.

335(336) Literature of Chemistry.

2 credits.

Lecture and recitation: 2 hours.

(337) 338 Seminar.

Hours and credits to be arranged.

401-402 Special Problem.

Credits to be determined.

Laboratory: 2 or 3 periods.

Students are required to consult with the professor or professors in the department at the beginning of their senior year about the topic for research in any one of the three branches of chemistry—analytical, organic or physical. The results of such work will serve as material for theses required for graduation.

Note:

1. Students majoring in chemistry must earn a minimum of 50 credits before they are allowed to graduate. These should include 20 credits from Chemistry 101-204 which are required in the first two years work regardless of the branch of chemistry in which students intend to specialize later. Students are advised to consult with the chairman of the department concerning the line of the pursuit in the junior and senior years.
2. Students desiring to specialize in physical chemistry are advised to include at least Differential Equations in their Mathematics courses, and to have their minor in physics.
3. Students desiring to specialize in industrial chemistry are advised to include a course in elementary economics or commerce among their electives.

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DEPARTMENT OF PHYSICS*Professor C. T. Kwei, Head.***101-102 College Physics**

10 credits.

Lecture and recitation . 4 hours.

Laboratory: 1 period of 3 hours.

Prerequisites: Trigonometry; Higher Algebra; Physics 103-104, or equivalent.

A comprehensive treatment of the fundamental principles, and a general survey of the field of physics. Students are expected to work out a large number of illustrative problems. Accuracy in observation and calculation, and the use of standard instruments will be emphasized in the laboratory work.

103-104 Physics for Arts Students

8 credits.

Lecture and recitation: 3 hours.

Laboratory: 1 period of 2 hours.

This course is primarily designed for arts students. It covers the same ground as Physics 101:102, but is more elementary in nature. Permission of the department is required of students desiring to take this course.

105-106 Physical Laboratory

2 credits.

Laboratory: 1 period of 3 hours.

(Identical with the lab. of Physics 101-102)

(107)108 Photography

2 credits.

Lecture: 1 period.

Laboratory: 1 period.

Prerequisites: Chem, 101 Physics 101

Designed to enable the student to gain a more scientific and artistic knowledge of the use of the camera, film or plate. Emphasis will be placed on correct exposure, development, fixation, and sensitometry.

Color photography and modern developments will also be treated.

201(202) Radio Communication

4 credits.

Lecture and recitation: 2 hours.

Laboratory: 1 period of 3 hours.

Prerequisite: Physics 101-102.

Methods of excitation, propagation and detection of electric waves, with particular emphasis on the principle and operation of vacuum tubes. Students will have opportunity to construct simple receiving sets for themselves.

203(204) Electricity and Magnetism

6 credits.

Lecture and recitation: 3 hours.

Laboratory: Periods arranged.

Prerequisite: Physics 101-102.

Magnetism, electrostatics, electrokinetics, D.C. and A.C. circuits, and machining.

205-206 Theoretical Mechanics

6 credits.

Lecture and recitation: 3 hours.

Prerequisites: Calculus; Physics 101-102.

A secondary course in the study of the laws of statics and dynamics. Stress is laid upon the solution of many numerical problems.

207-208 Advanced Light

5 credits.

Lecture and recitation; 3 hours.

Prerequisites: Calculus; Physics 101-102.

Geometrical and physical optics, optical instruments and theories.

211-212 Intermediate Physical Laboratory

2 to 4 credits per semester.

Laboratory: 1 or 2 periods of 3 hours each.

Prerequisites: Calculus; Physics 101-102.

A course of experiments of an advanced character. Students are required to perform the experiments individually, relying partly on their own initiative. Students taking courses 203-208, inclusive, (as well as students taking the premedical course) are urged to take this laboratory course. Assigned readings.

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213(214) Theory and Practice of Measurements

1 credit.

Lecture and recitation: 2 hours.

Prerequisites: Calculus; Physics 211-212.

Laws of probability, theory of errors, discussion of precision of direct and indirect measurements, and graphical methods. Stress is laid on the solution of illustrative problems.

301-302 Advanced Physical Laboratory

2 to 4 credits per semester.

Laboratory: 1 or 2 periods of 3 hours each.

Prerequisites: Calculus; Physics 101-102; Physics 211-212.

Experiments are mostly on electrical and optical measurements.

303-304 Introduction to Theoretical Physics

6 credits.

Lecture and recitation: 3 hours.

Prerequisites: Two advanced courses in Physics numbered from 301 to 208 inclusive.

Topics treated will be: Vector Analysis, Dynamics, Hydrodynamics, Thermodynamics—Statistical Mechanics, Kinetic theory—Electro-magnetsim Optics and Spectroscopy.

305 Kinetic Theory of Gases

3 credits.

Lecture and recitation: 3 hours.

Prerequisites: Calculus; two advanced courses in Physics and Math. 203-204.

Introduction of the statistical methods: Van der Waal's equation: Viscosity, Heat Conduction, Diffusion: Laws of rarefied Gases and Surface Phenomena: Specific Heats and the Kinets Theory.

306 Heat and Thermodynamics.

3 credits.

Lecture and recitation: 3 hours.

Prerequisites: Calculus; two advanced courses of Physics.

Heat: its nature and measurement. The principles of thermodynamics and their applications to physical and chemical processes.

307-308 Physics Seminar.

2 credits.

1 seminar period.

Review and discussion and current literature on physical problems. Reports on investigations and findings in thesis work in this laboratory.

311-312 Higher Mathematics for Students of Physics.

Not offered in 1936-1937.

313-314 Modern Physics.

6 credits.

Lecture and recitation: 3 hours.

Prerequisites: Calculus and at least 18 credits in Physics.

Electro-magnetic theory of Light, Photoelectric Effect, Origin of Qunatum theory, Quantum theory of Specific Heats.

Line Spectra, Optical and X-rays, Atomic Structure.

The Nucleus.

Wave theory of Mattter.

315-316 Advanced Electricity and Magnetism.

6 credits.

Lectures and recitations: 3 hrs.

Prerequisites: Math. 203-204, Physics 206, 204.

401-402 Special Problems.

1 or 2 credits.

Time spent: at least 3 hours a week.

Independent investigation of some physical problem, or the reproduction of published standard researches. Students are required to consult the head of the department on or before June 1, of their Junior year.

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DEPARTMENT OF MATHEMATICS*Assistant Professor J. L. Coe, Head.***101-102 Algebra; Plane Trigonometry.**

6 credits.

Lecture and recitation: 3 hours.

Review of quadratics; solution of higher degree equations by Horner's method; plane trigonometry; plane analytic geometry; rectangular co-ordinates; polar coordinates; the straight line and conics; change of axes.

103-104 Differential and Integral Calculus.

6 credits.

Lecture and recitation: 3 hours.

The elements of differential and integral calculus with simple applications.

105-106 Elementary Statistics.

6 credits.

Lecture and recitation: 3 hours.

The elementary theory and applications of mathematical statistics, with a detailed study of such topics as averages, measures of dispersion, and coefficients of correlation, the normal curve of error, and its applications to the theory of least squares and the graduation of frequency theories.

107-108 Mechanical Drawing.

2 credits.

Lecture and recitation: 1 hour.

201 Higher Algebra.

3 credits.

Lecture and recitation: 3 hours.

The progressions, series permutations and combinations. Review of elementary algebra. Binomial theorem.

202 Introduction to the Theory of Equations.

6 credits.

Lecture and recitation: 3 hours.

Includes the solution of cubics and quadrics.

203-204 Intermediate Calculus and Differential Equations.

6 credits.

Lecture and recitation: 3 hours.

A further study of differential and integral calculus, and partial differentiation and integration. Series, envelopes, singular points. Elementary differential equations, and solid analytic geometry.

301-302 Advanced Calculus and Analysis.

6 credits.

Lecture and recitation: 3 hours.

Differentials; change of variable; multiple Integral; Fourier's Series; Harmonic Analysis.

(303) 304 Projective Geometry.

3 credits.

Lecture and recitation: 3 hours.

305-306 Vector Analysis.

6 credits.

Lecture and recitation: 3 hours.

(309) 310 Introduction to the Mathematics of Relativity.

3 credits.

Lecture and recitation: 3 hours.

Four Dimensional Geometry; Tensors; The Riemann Tensor and Its Application to Physics.

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SCHOOL OF EDUCATION

DEPARTMENT OF EDUCATION

Professor P'u Hwang, Head.

- 101-102 **Principles of Education.**
6 credits. (Not Offered in 1936, 1937).
Lecture and recitation: 3 hours.
- 103-104 **Introduction to Education**
6 credits.
Lecture and recitation: 3 hours.
An orientation course, dealing with the principles and important facts of the general field of education.
- 201-202 **Practice Teaching and Classroom Methods.**
6 credits.
Lecture and recitation: 2 hours.
Laboratory: 3 hours.
An introduction to the problems and technique of classroom teaching through directed observation and teaching.
- 203-204 **Principles of Secondary Education.**
4 credits.
Lecture and recitation: 2 hours.
A detailed treatment of the principles and problems of the Secondary School.
- 205-206 **Introduction to Religious Education.**
4 credits.
Lecture and recitation: 2 hours.
Principles, Methods and Materials useful to teachers of religion in secondary schools.
- 301-302 **Practice Teaching.**
6 credits.
Discussion: 1 hour.
Continuation of Ed. 201-202, with the addition of individual responsibility for the teaching of a course in the Middle School.

- 303-304 **Practice Teaching.**
6 credits.
Discussion: 1 hour.
Laboratory: 4 hours.
Continuation of Ed. 301-302, with responsibility for the teaching of two courses in a middle school, but no observation work.
- (309) 310 **History of Chinese Education**
3 credits.
Lecture and recitation: 3 hours.
A general survey of the development of educational theories and institutions in China from ancient times to 1862.
- 311-312 **General History of Education**
4 credits.
A general survey of the development of educational theories and institutions in the West from ancient to modern times.
- 313-314 **Educational Sociology**
4 credits.
Lecture and recitation: 2 hours.
A study of the sociology of educational problems; the relation of the school to the other social institutions, and the methods of approach to some of the social problems in China through education.
- 315-316 **Educational Philosophy**
4 credits.
Seminar: 2 hours.
- 317-318 **Character Education**
4 credits.
Lecture and recitation: 2 hours.
- 319(320) **Administration and Supervision of Religious Education**
3 credits.
Lecture and recitation: 3 hours.
- 321(322) **Modern Education in China**
2 credits.
Lecture and recitation: 2 hours.
A survey of the development of modern education in China since 1862, concluding with a study of the present Chinese educational code.

- 323-324 **Measurements and Statistics in Education**
4 credits.
Lecture and recitation: 2 hours.
Principles, methods and technique of measurement and testing in education, together with the application of statistical methods to classroom problems.
- 325-326 **Secondary School Administration and Supervision**
4 credits.
Lecture and recitation: 2 hours.
The problems and methods of supervising middle schools.
- 327-328 **Comparative Systems of Education**
4 credits.
Lecture and recitation: 2 hours.
Comparison of the organisation and underlying principles of the educational systems of some of the principal countries in the West.
- 329-330 **Educational Administration and Supervision.**
4 credits.
Lecture and recitation: 2 hours.
Organisation, management, support and control of public schools.
- 333(334) **Rural School Administration.**
2 credits.
Lecture and recitation: 2 hours.
A study of the particular problems of administration in rural schools.
- 335(336) **Organisation of a Curriculum.**
2 credits.
Lecture and recitation.
The outline and development of a course of study for middle schools on the basis of aim and background.
- 337-338 **Elementary Statistics.**
6 credits.
Lecture and recitation: 3 hours.
Prerequisite: Algebra, geometry.
Identical with Mathematics 105-106.
- 341-342 **Special Methods in Teaching English.**
4 credits.
Including the study of phonetics.

- 343(344) **Special Methods in Teaching Geography.**
2 credits.
- 345-346 **Special Methods in Teaching Chinese.**
2 credits.
- (347)348 **Special Methods in Teaching Biology.**
2 credits.
Identical with Biology (333) 334.
- 349(350) **Special Methods in Teaching Chemistry.**
3 credits.
Identical with Chemistry 323 (324).
- (351)352 **Special Methods in Teaching Physics.**
1 credit.
- 353(354) **Special Methods in Teaching History**
2 credits.
- 355-356 **Special Methods in Teaching Music**
4 credits.
Lecture: 1 hour, Recitation: 1 hour.
- 401-402 **Research Problem**
4 credits.
Seminar: Minimum, 2 hours per week.

DEPARTMENT OF PSYCHOLOGY*Professor I Hu, Head.***103-104 General Psychology**

6 credits.

Lecture, demonstration, and recitation: 3 hours.

An introductory course in psychology primarily for the Freshman class. The course is aimed at giving the students fundamental knowledge concerning the origins of behavior patterns; the motives of behavior; the modes of interactions between organisms and their environment; the nature of mental processes; and the development of personality. The methods and fields of psychology, and some psychological schools, will be briefly treated to acquaint the students with present status of psychology as a science.

203-204 Educational Psychology

4 credits.

Lecture and recitation: 2 hours.

Prerequisite: Psy. 103-104.

Primarily for students in education and those preparing to teach. Emphasis is placed on original nature, growth, motivation, and mostly on learning. Constant reference is made to school situations to aid students to utilize and apply psychological principles.

205-206 Experimental Psychology

6 credit.

Lecture: 1 hours.

Laboratory: 2 periods of 3 hours each.

Prerequisite: Psy. 103-104.

Essentially a laboratory course to provide training in elementary experimental technique. Problems in memory, learning, thinking, work, as well as sensory, perceptual and affective processes are designed for experimental study. The lecture part is intended to cover the more important findings of experimental psychologists.

207(208) Lectures on Human Physiology

3 credits.

Lecture: 3 hours.

Lectures on the functions of the human body as the basis of psychological behavior. Emphasis is placed on the nervous system, the visera, and the endocrines. The intention is not to prepare students for physiological study but to supply an intelligent background for understanding. Detailed anatomical studies are purposely omitted.

209(210) Applied Psychology

2 credits.

Lecture and recitation: 2 hours.

Prerequisite: Psy. 103-104.

Discussion of the importance of psychology in the social sciences other than education. Primarily for students in Sociology and Commerce. Practical applications rather than theoretical discussions form the major portion of the material.

211(212) Business Psychology

2 credits.

Lecture and recitation: 2 hours.

Applications of psychology in the fields of Advertising, salesmanship, and personnel work.

305-306 Abnormal Psychology and Mental Hygiene

4 credits.

Lecture and recitation: 2 hours.

Mental derangements studied with reference to the various ways of classification and investigation. Special emphasis on the discovery of early symptoms and preventive work in the milder categories.

(307) 308 Psychology of Religion

2 credits.

Lecture and recitation: 2 hours.

A psychological study of the origin, development, and persistence of the religious and superstitious beliefs of mankind.

- 309(310) Social Psychology**
3 credits.
Lecture and recitation: 3 hours.
For students of psychology and the social sciences. The behavior of the individual in the social environment; the development of social attitudes and social consciousness; and mechanisms of conflict and adjustment, form some of the topics of study. Attention will be given to psychological factors influencing behavior in Chinese society.
- 311-312 Psychology of Childhood and Adolescence**
4 credits.
Lecture and recitation: 2 hours.
Study of human growth from early infancy up to maturity. Experimental results are brought to bear upon the theories and conceptions that form the bases of our present educational procedure. A portion of the course will deal with the problems of middle school children.
- 313(314) History of Psychology**
3 credits.
Lecture and recitation: 3 hours.
A general survey of the historical background of scientific psychology, the relations of psychology to the other sciences, and the historical development of psychological methodology.
- 315(316) Systems of Psychology**
3 credits.
Lecture and recitation: 3 hours.
Interpretation and criticism of the principles and methods of various psychological 'schools'. For advanced students only.
- 317(318) Theory and Construction of Tests**
3 credits.
Lecture and exercise: 3 hours.
Prerequisite: Edu. 323-324.
Experimental verification of the assumptions underlying the procedure of test construction. Problems like the selection and organization of items, methods of scoring, validity and reliability, and theories of mental organization based on test results will be discussed.

- 319(320) Psychology of School Subjects**
3 credits.
Lecture and recitation: 3 hours.
Prerequisite: Psy. 203-204.
For students preparing to teach. Studies of the various types of adjustment and learning present in the different subjects, the teaching methods that are adapted to the types of learning, the correlating character of the studies in the subjects, and the integrative function of the school.
- 321(322) Comparative Psychology**
3 credits.
Lecture and recitation: 3 hours.
Studies in animal psychology compared with similar ones in humans. Animals lower than mammals are not included for serious consideration. Major problems are learning, conditioned reflex, maturation, and motivation. Sensory and perceptual studies touched upon only in connection with the major topics.
- 323-324 Tests and Theories of Personality**
4 credits.
Lecture and recitation: 2 hours.
- 325(326) Advanced Experimental Psychology**
2 credits.
Laboratory: 2 periods of 3 hours each.
Prerequisite: Psy. 205-206.
Individual research problems of experimental nature carried on under the supervision of instructor.
- 401-402 Research Seminar**
4 credits.
Conference: 2 hours.

DEPARTMENT OF MUSIC*Frieda F. Taylor, Head.*

- 95-96 **Piano: Grade III.**
 No credits. Private recitations.
 Recitation: 1 hour.
 Practice: 6 hours.
 Scales and arpeggios in various forms; studies from Bach, Czerny-Liebling, Loeschorn, Burgemueller, Heller (Op. 47), Czerny (Op. 299) Schytte, Carveoll Hanon, Suitable pieces and hymns, sight reading.
- 97 or 98 **Elementary Sight Singing**
 No credits.
 Recitation: 1 hour.
 This course or its equivalent, prerequisite for Voice Training.
- 101-104 **Piano: Grade IV.**
 6 credits. Private recitations.
 Recitation: 1 hour.
 Practice: 6 hours.
 Scales and arpeggios; studies in octave playing; selections from Heller (Op. 46 & 45), Czerny-Liebling, Book 2, Bach's Short Preludes and Fugues Schytte, Sight Reading; suitable pieces.
- 103-104 **Piano: Grade V.**
 6 credits. Private recitations.
 Practice: 6 hours.
 Scales and arpeggios in numerous ways, with double thirds dominant and diminished seventh chords and arpeggios; Czerny (Op. 740), Cramer, Moscheles, Bach's two part inventions Kulak's octave studies; Selected classical modern pieces.
- 105-106 **Piano: Grade VI.**
 6 credits. Private recitations.
 Recitation: 1 hour.
 Practice: 6 hours.
 Advanced technical studies including Haberbier, Henselt, Kullak, Chapin Etudes, Bach's Well-Tempered Clavichord, classical and modern compositions, sight reading.

- 107-108 **Piano: Grade VII.**
 credits. Private and class recitations.
 Recitation: 1 hour.
 Practice: 6 hours, minimum.
 Studies from Bach, Liszt, Chopin, Rubinstein, and modern composers. Symphony studies.
- 109-110 **History and Appreciation of Music.**
 4 credits.
 Lecture and recitation: 2 hours.
- 111-112 **Elements of Harmony.**
 2 credits.
 Lecture and recitation: 1 hour.
- 113-114 **Musical Analysis.**
 2 credits.
 Lecture and recitation: 1 hour.
- 115-116
 117-118 **Voice Training.**
 119-120
 6 credits.
 Lecture and recitation: 1/2 hour. Private lessons.
- 121-122
 123-124 **Band Instrumentation and Conducting.**
 Credits and hours arranged.
- 125-126 **Public School Music.**
 4 credits.
 Lecture and recitation: 1 hour.
 Laboratory: Hours arranged.
 Prerequisite: Completion of Piano Grade 4.
- 127-128 **Symphony Studies.**
 2 credits.
 Directed class work: 3 hours.

Explanatory Notes.

Credits are given in piano at the rate of 2 Credit Hours per term, with the understanding that in grades IV, V and VI, the work of each grade must be completed in a maximum of three terms, and that the work of grade VII must be completed in a maximum of four terms.

These credits are based on 6 practice periods and one 50 minute recitation per week. Extra practice periods may be required, without extra credits being given.

A student of extra-ordinary ability who finishes the work of a grade in less than three terms receives the full six credits for the work.

Required courses for the Music minor are as follows :

1. The completion of the work of grade V in piano.
2. History of Music ; Harmony : Musical Analysis.
3. Four Credits from among the following: Voice Training; Band Instrumentation and Conducting; Public School Music.

All students taking credit courses in music are required to attend all recitals and programs of the department and such other musical performances as the department may determine.

PHYSICAL EDUCATION

Mr. Shao Tze-po, Physical Director

- 101-102 **Military Training**
2 credits. Required of Freshmen Men.
Lecture and recitation : 1 hour.
- 103-104 **First Aid**
5 credits. Required of Freshmen Women. Elective for men.
Lecture and Field work : 1 hour (minimum).
- 105-106 **Military Training Field Work**
2 credits. Required of Freshmen Men.
Drill 2 hours. Summer Encampment.
- 107-108 **Freshmen Women's Practical Work**
2 credits. Required of Freshmen Women.
Dancing, Games and Gymnasium : 3 hours.
- 203-204 **Advanced First Aid (Practical Nursing)**
2 credits. Elective.
Lecture and demonstration work arranged.
- 205-206 **Sophomore Women's Practical Work**
2 credits. Required.
Dancing, Games, Track and Gymnasium : 3 hours.
- 207-208 **Sophomore Men's Practical Work**
2 credits. Required.
Games, Track and Gymnasium : 3 hours.
- 301-302 **Hygiene**
2 credits. Required.
Lecture and recitation : 1 hour.
- 303-304 **Field and Gymnasium Work**
2 credits. Junior Year.
Practical work : 3 hours. Dancing optional for women.
- 305-306 **Field and Gymnasium Work**
2 credits. Senior Year.
Practical work : 3 hours. Dancing optional for women.

MAJOR COURSES

CHINESE MAJOR COURSES

Minor: English, History, Sociology, Philosophy Education, Psychology or Music.

Intermediate Examination: Chinese, English, History and any other two subjects.

<i>Freshman Year</i>			<i>Sophomore Year</i>		
Chinese	101-102	2 2	Chinese	109-110	3 3
Chinese	103-104	1 1	Chinese	209-210	2 2
English	101-102	3 3	English	201-202	2 2
English	103-104	2 2	English	203-204	2 2
*P.E.		2 2	Philosophy Elective		3 3
P.S.	101-102	1 1	P.E.		1 1
History	103-104	3 3	Elective		6 6
Electives		9 9			
Total			Total		
23 23			19 19		

<i>Junior Year</i>			<i>Senior Year</i>		
P.E.	301-302	1 1	P.E.		1 1
P.E.		1 1	Chinese Elective		8 8
Chinese	105-106	2 2	Electives		7 7
Chinese	107-108	2 2			
Chinese	205-206	2 2	Total		16 16
Chinese	203-a04	3 3			
Electives		5 5			
Total			Total		
16 16			16 16		

* **Note:** - P.E.=Physical Education. P.S.=Political Science.

Chinese Minor Courses

Required:	Chinese	101-102	2	2	
	Chinese	103-104	1	1	
	Chinese	109-110	3	3	
	Chinese	203-204	3	3	
			<hr/>		
			9	9	18
Elective:	Chinese				6
			<hr/>		
Total:					24

ENGLISH MAJOR COURSES

Minor: Chinese, History, Philosophy, Education, Music.

Intermediate Examination: English (double), Chinese, History, any other two subjects. (N.B.)

<i>Freshman Year</i>			<i>Sophomore Year</i>		
Chinese	101-102	2 2	Chinese	109-110	3 3
Chinese	103-104	1 1	Chinese	203-204	3 3
Chinese	107-108	2 2	English	201-202	2 2
English	101-102	3 3	English	203-204	2 2
English	103-104	2 2	History	203-204	3 3
P.E.		2 2	Philosophy Elective		3 3
P.S.	101-102	1 1	P.E.		1 1
History	101-102	3 3	Electives		2 2
Electives		7 7			
Total			Total		
23 23			19 19		

<i>Junior Year</i>			<i>Senior Year</i>		
P.E.		1 1	P.E.		1 1
P.E.	301-302	1 1	English Elective		7 7
English	Elective	10 7	Electives		8 8
Electives		4 7			
Total			Total		
16 16			16 16		

English Minor Courses

Required:	English	201-202	2	2	
	English	203-204	2	2	
	English	309-310	2	2	
			<hr/>		
			6	6	12
Elective:	English				10
			<hr/>		
Total:					22

Note:

The *minimum* requirement for an *Intermediate Single* examination is Eng. 101-102.

An *Intermediate Double* includes English 203-204.

BIOLOGY MAJOR COURSES

Minor: Chemistry, Mathematics, Physics, Education, Psychology, Sociology.

Intermediate Examination: Biology, English, Chinese and two electives.

<i>Freshman Year</i>				<i>Sophomore Year</i>			
Chinese	101-102	2	2	Philosophy	Elective	3	3
Chinese	103-104	1	1	Phys. Ed.	201-202	1	1
English	101-102	3	3	Biology	103-104	(4)	(4)
English	103-104	2	2	Biology	205-206	3	3
Phys. Ed.	101-102	2	2	Electives		11	11
Biology	101-102	5	5				
Math.	101-102	3	3	Total		19	19
*Electives		5	5				
Total		23	23				

<i>Junior Year</i>				<i>Senior Year</i>			
P.S.	101-102	1	1	Phys. Ed.		1	1
Phys. Ed.	301-302	1	1	Biology	309-310	4	4
Phys. Ed.		1	1	Biology	311-312	1	1
Biology	205-206	(3)	(3)	Biology	313-314	1	1
or Biology	103-104	4	4	Electives		9	9
Biology	203	4					
Biology	306	4		Total		16	16
Biology	301-302	2	2				
**Elective		3	3				
Total		16	16				

* **Note:** Chemistry recommended.

** **Note:** Organic Chemistry recommended.

Biology Minor Courses

Required:	Biology	101-102	5	5		
	Biology	103-104	4	4		
			9	9	18	
	Biology (elective)				4	
						Total: 22

CHEMISTRY MAJOR COURSES

Minor: Physics, Biology, Mathematics, Education.

Intermediate Examination: Chemistry, English, Philosophy, Chinese and one other subject.

<i>Freshman Year</i>				<i>Sophomore Year</i>			
Chinese	101-102	2	2	P.S.	101-102	1	1
Chinese	103-104	1	1	Phil.	Elective	3	3
English	101-102	3	3	P.E.		1	1
English	103-104	2	2	Chem.	201	5	
P.E.		2	2	Chem.	204		5
Chem.	101-102	5	5	Math.	103-105	3	3
Math.	101-102 or			Elective		6	6
Math.	103-104	3	3				
Physics	101-102	5	5	Total		19	19
Total		23	23				

Group A. Analytical and Physical Chemistry.

<i>Junior Year</i>				<i>Senior Year</i>			
Chem.	301	5		Chem.	321-322	3	3
Chem.	303-304	4	4	Chem.	505 or 30	74	
Chem.	306 or			Chem.	318		3
Chem.	308	4		P.E.		1	1
P.E.	301-302	1	1	Chem.	335	2	
P.E.		1	1	Chem.	312		3
Electives		5	6	Electives		6	6
Total		16	16	Total		16	16

Group B. Organic Chemistry.

<i>Junior Year</i>				<i>Senior Year</i>			
P.E.	301-302	1	1	P.E.		1	1
P.E.		1	1	Chem.	321	3	2
Chem.	301	5		Chem.	315		4
Chem.	310	5		Chem.	318		3
Chem.	302-304	4	4	Chem.	335	2	
Electives		5	5	Chem.	312		3
				Electives		6	7
Total		16	16	Total		16	16

Group C. Industrial Chemistry.

<i>Junior Year</i>				<i>Senior Year</i>			
P.E.	301-302	1	1	Chem.	321-322	3	2
P.E.		1	1	Chem.	331-322	3	3
Chem.	301	5		Chem.	313-314	3	3
Chem.	303-304	4	4	Chem.	318		3
Chem.	306 or 308	4		P.E.		1	1
Mech, Dr.				Electives		6	5
Electives		5	5				
		<hr/>					
Total		19	15	Total		16	17

Chemistry Minor Courses

Required:	Chemistry	101-102	5	5	
	Chemistry	201-204	5	5	
	Chemistry	303	4		
			<hr/>		
			14	10	
			<hr/>		
			Total:		24

Mathematics Minor Courses

One course under	201	3	3	6
Electives: 201 or above				<hr/>
				12
				<hr/>
				Total: 18

PHYSICS MAJOR COURSES

Minor: Any subject: Mathematics, Chemistry, Biology or Education.

Intermediate Examination: Physics, English, Chinese, Mathematics, and one other subject.

<i>Freshman Year</i>				<i>Sophomore Year</i>			
Chinese	101-102	2	2	P.S.	101-102	1	1
Chinese	103-104	1	1	English	201-202	2	2
English	101-102	3	3	Phil.	Elective	3	3
English	103-104	2	2	Math.	103-103 or		
Math.	101-102 or			Math.	Elective	3	3
Math.	103-104	3	3	P.E.		1	1
P.E.		2	2	Phys.	201	4	
Physics	101-102	5	5	Phys.	204		3
*Electives		5	5	Phys.	211-212	2	2
		<hr/>		Electives		3	4
Total		23	23			<hr/>	

Junior Year

P.E.	301-302	1	1
P.E.		1	1
Math.	203-204 or		
Elective		3	3
Phys.	205-206	3	3
Phys.	313-414 or		
Phys.	207-208	3	3
Phys.	301-302	2	2
Elective		3	2
		<hr/>	
Total		16	16

Total

19 19

Senior Year

P.E.		1	1
Physics	303-304 or		
	311-312	3	3
Physics	301,204 or		
Physics	207-208	3	3
Physics	309-310	1	1
Physics	307-308	1	1
Elective		7	7
		<hr/>	
Total		16	16

* —Chemistry recommended.

Physics Minor Courses

Required: Physics	101-102	5	5
or Physics 103-104	4	4	
and Physics 105-106	1	1	
Physics	211-212	2	2
		<hr/>	
		7	7

Elective: Physics

4

Total: 18

Minors in Physics are expected to take at least one course during the Junior or Senior Year.

EDUCATION MAJOR COURSES

Minor: The subject which is to be the main teaching subject of the student after graduation. This is known as the student's *content subject* and is to be selected from the following: Chinese, English, History, Commerce, Economics, Philosophy, Biology, Chemistry, Physics, Mathematics, Music.

Intermediate Examination: Chinese, English, Education, Psychology and one subject which the student intends to teach.

<i>Freshman Year</i>			<i>Sophomore Year</i>		
Chinese	101-102	2 2	English	201-202	2 2
Chinese	103-104	1 1	Phil.	Elective	3 3
English	101-102	3 3	P.E.		1 1
English	103-104	2 2	Edu.	201-202	3 3
P.S.	101-102	1 1	Psy.	203-204	2 2
P.E.		2 2	*Electives		8 8
Edu.	103-104	3 3			
Psy.	103-104	3 3	Total		19 19
*Electives		6 6			
Total		23 23			

Section A. Teacher's Course.

<i>Junior Year</i>			<i>Senior Year</i>		
P.E.	301-302	1 1	P.E.	305-306	1 1
P.E.	303-304	1 1	Edu.	203-204	2 2
Edu.	301-302	3 3	Edu.	401-402	2 2
Edu.	341-356	1 1	Edu.	311-312	2 2
Edu.	323-324	2 2	Edu.	315-316	2 2
*Electives		8 8	*Electives		7 7
Total		16 16	Total		16 16

Section B. Administrator's Course.

<i>Junior Year</i>			<i>Senior Year</i>		
P.E.	301-302	1 1	P.E.	305-306	1 1
P.E.	303-304	1 1	Edu.	329-330	2 2
Edu.	203-204	2 2	Edu.	301-302	3 3
Edu.	323-324	2 2	Edu.	341-356	1 1
Edu.	325-326	2 2	Edu.	401-402	2 2
*Electives		8 8	*Electives		7 7
Total		16 16	Total		16 16

* All electives must be from the field in which the student intends to teach, or from School of Education courses.

Education Minor Courses

Required: Edu.	201-202	3 3	6
Elective:			16
			<u>22</u>
			Total: 22

學大中華昌武立私
Hua Chung College
Bulletin

私立武昌中華大學
學報

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1936-1937.

Wuchang, Hupeh, China

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HUA CHUNG COLLEGE

(CENTRAL CHINA COLLEGE)

CATALOG OF

The School of Arts

The Yale-in-China School of Science

The School of Education

for the academic year 1936-1937

Announcements for 1937-1938



Issued June 1, 1937

Wuchang, Hupeh, China.

Wuchang, Hupeh, China.

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HUI CHUNG COLLEGE

(CENTRAL CHINA COLLEGE)

CATALOG OF

The School of Arts

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for the Academic Year 1937-1938

Announcement for 1937-1938

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CALENDAR 1937-1938.

1937

January	23	Saturday	Winter vacation begins.
February	15	Monday	Registration of students.
February	17	Wednesday	Classes begin.
March	12	Friday	Anniversary of Sun Chung San's death.
March	26	Friday	Good Friday.
March	29	Monday	Anniversary of the First Martyrs of the Revolution.
April	4-11	Sunday-Sunday	Spring vacation.
May	5	Wednesday	Revolution Memorial Day.
June	26	Saturday	Commencement.
August	9-10	Monday-Tuesday	Entrance Examination.
September	1	Wednesday	Fall Term begins.
September	6	Monday	General Staff Meeting followed by Faculty Meeting
September	7	Tuesday	Registration of Old Students.
September	8	Wednesday	Registration of New Students. Part I.
September	9-10	Thursday-Friday	Registration of New Students. Part II.
September	13	Monday	Classes begin.
October	10	Sunday	National Day.
October	30	Saturday	Matriculation.
November	1	Tuesday	Founders' Day.
November	12	Friday	Sun Chung San's Birthday.
December	25	Saturday	Christmas Day.

1938

January	1	Saturday	New Year's Day.
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HISTORICAL SKETCH

Hua Chung (Central China) College is a union of five distinct units:—Boone (American Church Mission), Griffith John (London Mission), Huping (Reformed Church Mission), Wesley (Methodist Mission), and Yale (Yale-in-China Association). The union was formed in 1924 in response to the recommendations of the Burton Education Commission of 1921-22. Only three units, viz., Boone, Griffith and Wesley, were in it. But after 1927, everyone in the Central China region realized that efficiency and high standards of work were possible only in a union institution, and when the College reopened in the fall of 1929, two more units joined the union, viz., Huping and Yale. The College is now the only Christian institution of higher learning in the whole region of Central China, consisting of the four provinces of Honan, Hunan, Hupeh and Kiangsi.

From the beginning, the policy of the College has been to supplement government education by maintaining a residential Christian private college of the highest possible standards with a limited enrolment. Students are in hostels under the supervision of the cooperating units. The women students are under the direction of the Dean of Women and have their own social life in Yen Hostel.

The College is registered with the Ministry of Education in Nanking under the title of Hua Chung Ta Hsueh (華中大學), with three Faculties, viz., Arts, Science, and Education "with the purpose to provide for the youth of China a college education of high standard, with a view to developing character and intellectual capacity in the students, in order that they may become loyal and useful citizens of China and may be prepared to aid in building up and strengthening their respective communities along moral, intellectual, physical and humanitarian lines, and to promote the general purpose had in mind by each of the several missionary societies which have founded the Institution."

The College is now organized into three Schools, namely, the School of Arts, the School of Science, known as the Yale-in-China School of Science, and the School of Education, with power to confer the degrees of Bachelor of Arts, Bachelor of Science, Bachelor of Education and Bachelor of Commerce.

LOCATION

Hua Chung College is located on the former Boone University compound, Tan Hwa Ling, Wuchang, Hupeh.

ADMINISTRATIVE OFFICERS

Francis C. M. Wei, PH.D., HON., D.C.L., *President of the College and Dean of the School of Arts.*
 John L. Coe, M.A., *Treasurer.*
 Paul V. Taylor, PH.D., *Dean of Faculty.*
 Leonard Constantine, M.A., *Acting Dean of the School of Arts.*
 Richard P. Bien, *Dean of the School of Science.*
 P'u Hwang, PH.D., *Dean of the School of Education; Acting-President.*
 Margaret Bleakley, M.A., *Registrar.*
 Samuel T. Y. Seng, B.S., *Librarian.*
 Samuel H. W. Kwei, M.D., *College Physician.*
 Nina G. Johnson, R.N., *College Nurse.*
 Ren Yi Tan, M.A., *Assistant to the Treasurer.*
 Alice Frances Kemp, *Superintendent of Grounds.*
 Francis J. T. Wang, *Chinese Secretary.*
 Mary Coe, B.A., *English Secretary to the President.*
 Edward G. T. Doe, *Assistant to the Registrar.*
 Chang Tsu-ming, *Assistant English Secretary to the President.*
 Frank T. C. Li, *Assistant Librarian.*
 Yu Ming Hsuan, *Assistant Librarian.*
 Chang Cheng Yi, *Assistant Librarian.*

THE SENATE

President Francis C. M. Wei, *Chairman.*
 Professor R. P. Bien, *Secretary.*
 Mr. J. L. Coe, *Treasurer of the College.*
 Rt. Rev. A. A. Gilman, S.T.D.
 Professor Margaret Bleakley
 Dean Paul V. Taylor
 Dean Paul C. T. Kwei
 Dean P'u Hwang, *Acting Chairman*
 Professor T. G. Djang
 Rev. James Clegg
 Rev. L. Constantine
 Librarian Samuel T. Y. Seng

HOSTEL HEADS

Yen Hostel; Nina G. Johnson, R.N.
 Boone Hostel; Rev. Paul T. T. Seng
 Poyu Hostel; Rev. Richard Hailwood
 St. Paul's Hostel; Mr. John Foster
 Church of Christ in China Hostel; Dr. David S. Hsiung.

FACULTY OF INSTRUCTION

韋卓民 Francis Cho-min Wei, *President of the College; Dean of the School of Arts; Professor of Philosophy.*
 B.A., M.A., Boone; M.A. Harvard; Hon. D.C.L. Univ. of the South, U.S.A., Ph.D., London. On Leave 1937-1938.
 安得勝 David Fyfe Anderson, *Assistant Professor of Education.*
 M.A., B.Ed., Edinburgh.
 安海蘭 Helen Anderson, *Lecturer in English.*
 Teacher's Diploma, Edinburgh Training College.
 卞彭年 Richard Peng Lien Bien, *Dean of the School of Science; Professor of Physics.*
 B.S., Brown, D.Sc., M.I.T.
 雷美佳 Margaret Bleakley, *Registrar; Professor of English Literature.*
 B.A., B.A. (Classics Honors), M.A. Manchester; Diploma in Education, Cantab.
 張幹周 Kan Chow Chang, *Assistant Professor of Economics-Commerce.*
 B.A. Lignan; M.B.A. Washington; Ph.D. New York.
 陳伯康 Beh K'ang Ch'en, *Professor of Biology.*
 B.S., Shanghai; M.S., Ph.D., Chicago.
 陳美覺 Mei Chio Chen, *Assistant in Chemistry.*
 B.S. Hua Chung.
 陳仁炳 Ren Ben Chen, *Lecturer in Sociology.*
 B.A., Shanghai; M.A. Southern California; Ph.D. Michigan.
 陳文松 Wen Sung Ch'en, *Lecturer in Chinese Literature.*
 B.A., Nanyang.
 朱萬柏 Wan Peh Chu, *Assistant in Physics.*
 B.S. Hua Chung.
 柯約翰 John Leslie Coe, *Treasurer; Assistant Professor of Mathematics.* B.A., Hamilton; M.A., Michigan.
 甘施禮 Leonard Constantine, *Lecturer in History.*
 B.A., Manchester; B.A. (Honors), M.A. Cantab.
 張資琪 Tse-Gung Djang, *Professor of Chemistry.*
 B.S., Shanghai; Ph.D. Johns Hopkins.
 夏露德 Ruth Earnshaw, *Junior Lecturer in English.*
 Ph.B., Chicago.

- 法約翰 John B. Foster, *Junior Lecturer in English.*
B.A., Swarthmore.
- 嘉樂滿 Norman F. Garrett, *Lecturer in Economics.*
B.S., Pennsylvania.
- 何悟德 Richard Hailwood, *Junior Lecturer in English.*
B.D., London.
- 蕭戟儒 Chi Ju Hsiao, *Lecturer in Chemistry.*
B.S., National Central; M.S., Yenching.
- 熊子璣 David S. Hsiung, *Professor of Physics.*
B.S., Heidelberg; M.S., Penn., Ph.D., Chicago.
- 許宗岳 Chung-yoh Hsu, *Junior Lecturer in Physics.*
B.S., Hua Chung; M.S., Yenching.
- 徐復君 Fu-Chun Hsu, *Lecturer in Biology.*
B.S., Shanghai.
- 胡志彬 Dji Bin Hu, *Assistant in Chemistry.*
B.S. Hua Chung.
- 胡毅 I Hu, *Professor of Psychology.*
B.A., Wisconsin; M.A., Ph.D., Chicago.
- 黃溥 P'u Hwang, *Acting-President; Dean of the School of Education; Professor of Education.*
B.A., Yale-in-China; B.A., M.A., Stanford; Ph.D., Columbia.
- 蔣美德 Nina G. Johnson, *Junior Lecturer in Hygiene.*
R.N., Newburyport.
- 桂質廷 Paul Chi-Ting Kwei, *Professor of Physics.*
B.A., Yale; M.S., Cornell; Ph.D., Princeton.
- 劉明君 Pearl M. C. Liu (Mrs. R. B. Chen), *Lecturer in Biology.*
B.A., Hwa Nan; M.A., Syracuse; Ph.D., Michigan.
- 駱傳芳 Ch'uan Fang Lo, *Assistant Professor of Psychology.*
B.A., Hua Chung; B.D., Yenching; Ph.D., Chicago.
- 米柳細 Lucy Fish Miller, *Assistant Professor of English Literature.*
B.A., Mt. Holyoke.
- 包驚賓 Lu Ping Pao, *Assistant Professor of Chinese Literature.*
B.A., National Peking.
- 邵子博 Tze-Po Shao, *Physical Director.*
B.Ph.Ed., National Central University.

- 馬奉琛 Feng-shen Ma, *Lecturer in Chinese History.*
B.A., Nankai; Research Fellow in Tsing Hua Graduate School.
- 韓德霖 Sam Sköld, *Lecturer in Modern Languages.*
Phil. Cand., Phil. Mag., Upsala, on leave.
- 譚仁義 Ren Yi Tan, *Junior Lecturer in Economics.*
B.A., Yale-in-China; B.S., Yale; M.A., Michigan.
- 薛富德 Frieda Fuelrer Taylor, *Lecturer in Music.*
Diploma in Music, Schuylkill, on leave 1937-1938.
- 薛世和 Paul Vivian Taylor, *Dean of Faculty; Professor of Education.*
B.A., Muhlenberg; B.D., Theological Seminary of the Reformed Church in the U.S.; Ph.D., Hartford.
- 曾寶蘇 Pao Su Tseng, *Assistant in Biology.*
B.S., Hua Chung.
- 萬繩武 Shen Wu Wan, *Assistant Professor of Chemistry.*
B.S., Yale-in-China; Ph.D., Yale.
- 費施敦 Charles Francis Whiston, *Assistant Professor of Philosophy and Religion.*
B.A., Trinity; M.A., Harvard; B.D., Episcopal Theological School, Cambridge, Mass.
- 楊允中 Yuin Chung Yang, *Military Training Officer.*
Graduate, National Military Academy.
- 游國恩 Kuo-Eng Yu, *Professor of Chinese Literature.*
B.A., National Peking.
- 會克 Gertrude Zenk, *Junior Lecturer in Music.*
Graduate in Music, Wisconsin State Teachers College.

PART TIME TEACHERS

- 海懿貞 Margaret Crabtree, *Geography.*
B.A., Leeds.
- 康明德 Robert A. Remp, *Music.*
B.S., McGill; M.A., Columbia.
- 李輝祖 Mark H. T. Li, *Education.*
B.A., Boone; M.Ed., Harvard.

EXAMINATIONS

Entrance.

All students are required to pass entrance examinations before being admitted to College. Students are required to use the same name which appears on their Middle School diplomas, when taking the examinations, otherwise the examinations will be void.

All students are required to take examinations as follows:

Chinese, English, History, General Mathematics* and one *Science* (Biology, Chemistry or Physics).

A physical examination, by a recognized physician, is required of all students. Students having contagious or infectious diseases, or physical defects which will prevent them from doing the required work of the College can not be admitted.

A student who fails in an entrance examination may present himself again at a regular examination period.

Transfer.

Students who desire to transfer from other registered colleges or universities will be examined on the basis of the work for which they have credit in the institution from which they come and according to the department in which they desire to major in Hua Chung College, as may be determined in each case.

Students who desire to enter the Junior year are required to take the regular intermediate examinations.

Intermediate.

Each student, at the end of the Sophomore year and before beginning the work of the Junior year is required to present himself for examination in five subjects, two of which shall have been studied for a minimum of 12 Credit Hours in two separate years, and three of which shall have been studied for a minimum of 6 Credit Hours. In all cases the examination covers the total amount of work which the student has had in the course.

The examinations in the Doubles (12 Credit Hour Courses) are based upon a syllabus. The syllabus may be obtained from the Dean's Office.

*Foreign students who desire to work at Hua Chung and are not candidates for a degree may substitute another language for Chinese.

Two subjects, Chinese and English, are required. The other subjects are either free to the student's choice or are prescribed by the Department in which the student desires to major.

A student, in order to be eligible for the intermediate examination must have taken, during the Freshman and Sophomore years, a minimum of 80 Credit Hours of work (inclusive of Military Training, Physical Education and Party Principles), and must have successfully passed in 64 Credit Hours (exclusive of Military Training, Physical Education and Party Principles). A student may not present himself for the intermediate examination in a subject in which he has failed until the failure is removed by repeating the course.

Before a student may present himself for the intermediate examinations he must have completed at least four semesters of Freshman and Sophomore years college work, and all his grades must be in the hands of the Registrar.

An average grade of C is required in the intermediate examinations. A student who fails in not more than one subject, offered as a 12 Credit Hour subject, or in not more than two subjects, offered as 6 Credit Hour subjects, and still maintains an average grade of C in the examinations, counting his failure or failures, is allowed to take a supplementary examination in the subject or subjects in which he has failed, not sooner than eight weeks after such failure.

A student who fails in more than the above stated number or types of subjects is required to repeat one year of college work, 30 Credit Hours, before he is allowed to present himself again for the intermediate examinations.

Final.

After the successful completion of the work of the Junior and Senior years, a student is required to take final examinations covering the entire work of his Major field on the basis of a syllabus prepared by each of the several departments. The syllabus for each course should be procured by the student before he enters upon the work of the Junior year.

Before a student is eligible to present himself for the final examinations, he must have completed a minimum of 60 Credit Hours during his Junior and Senior years, and must have completed a minimum of 132 Credit Hours during his entire college course (exclusive of Military Training, Physical Education, and Party Principles).

A student is required, before presenting himself for the final examinations, to present a certificate from the Department in which he is majoring, certifying to the fact that he has completed the courses requisite to a Major.

A minimum grade of D in each subject, and an average grade of C is required, in the final examinations.

A student who fails to get a D grade in each subject of his examination and an average grade of C therein, fails to graduate. He may try again one year later.

BOARD OF STUDENT FEES AND EXPENSES

The school year is divided into two semesters.

	Semester	Year
Tuition	\$ 30.00	\$ 60.00
Hostel Service & Light	20.00	40.00
Boarding	30.00	60.00
Library	5.00	10.00
Athletics	2.00	4.00
Medical	2.00	4.00
Incidentals	15.00	30.00
Biology Laboratory, per course	5.00	10.00
Chemistry Laboratory, per course	5.00	10.00
Physics Laboratory, per course	5.00	10.00
Entrance Examination	1.00	
Late Entrance Examination	4.00	
Late Registration, first day,	2.00	
each successive day, add50 N.B. 1	
Late Arrival, first day	2.00	
each successive day, add50 N.B. 2	
English Book Rental	2.00 N.B. 3	
Education Book Rental, per course	1.00	2.00
Piano Instruction	15.00	
Piano Rental	5.00	
Music Rental at 1/4 cost price	—	
Voice	5.00	
Middle School Teacher's Certificate		
Work in Education, per Credit Hour	3.00	

- Note:**—1. The limit for late registration is seven school days.
 2. The limit for late arrival is seven school days.
 3. Book rentals are charged in classes in which the price of text books is so high as to make it inconvenient for the student to purchase his own text book. In that case the department purchases the text books and rents them to the student at an amount per term, based upon the cost of the books.

SCHOLARSHIP LOANS

There are a limited number of scholarships administered by the college and the co-operating units for students qualified to receive such aid some of which are administered on a loan basis and some on a scholarship basis. Details in regard to these are given below.

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BOARD OF DIRECTORS SCHOLARSHIPS & LOANS

The Board of Directors for the year 1937-38 has set aside the sum of \$2,300. for scholarships and loans of \$100 each to be administered by the scholarship committee. In order to be eligible for a scholarship a student must have had an average grade of C+ (2.5) in the preceding two terms. In order to be eligible for a loan a student must have had an average grade of C (2.00) during the preceding two terms. The proportion between scholarships and loans will be decided by the scholarship committee.

The Board of Directors sets aside \$700 annually for seven scholarships for women students which are administered by the Yen Hostel Committee. Application for these should be made to that committee.

SAMUEL BRINCKERHOFF THORNE SCHOLARSHIPS

By the gift of U.S.\$1,000 by Victor C. Thorne in memory of his brother Samuel Brinckerhoff Thorne, two scholarships, one of \$200 and one of \$100 have been established, with preference for graduates of Yali School.

CHIU KAI-MING MOTHER'S MEMORIAL SCHOLARSHIP

By the gift of Dr. A. K. M. Chiu a scholarship has been established in memory of his mother, of \$200 to be awarded under conditions set by the scholarship committee.

REFORMED CHURCH SCHOLARSHIPS AND LOANS

A number of scholarships and loans are available through the Education Committee of the China Mission R.C.U.S. The number granted from year to year varies with the yearly appropriations of the Mission. A scholarship pays all tuition and laboratory fees. A loan is limited to \$150 per year, and must be repaid to the Mission without interest within a limited term of years.

METHODIST CHURCH SCHOLARSHIPS

There are a limited number of Methodist Mission Scholarships, applications for which should be made to the Scholarship Committee of the Methodist Church.

LONDON MISSION SCHOLARSHIPS

There are two loan scholarships of \$100 each from the London Missionary Society, applications for which should be made to the District Secretary of the London Missionary Society.

STUDENT SELF-SUPPORT

It is the policy of the College to assist needy students in finding remunerative work with which to supplement their incomes. This work is under the direction of the self-help committee. Two conditions make it impossible for students to be entirely self-supporting: the competition of illiterate labor and the heavy load of studies which the student must carry in order to get the degree in four years. Nevertheless, it is possible for students to do certain types of work, for which the remuneration, while inadequate for complete self-support, will help toward the student's incidental and other minor fees.

RESIDENCE

All regular students are required to live in a hostel of the College and to conform to its regulations. A student not living in a hostel and partaking of its life, is not regarded as *in residence*.

BOARDING

The student boarding arrangements are in the hands of a committee of students, elected by the student body, together with one member of the faculty, who is appointed by the hostels, and who acts as advisor and treasurer.

The committee determines the fee for each term. The hostels collect the fees.

DEGREES

Hua Chung College, in accordance with the regulations of the Ministry of Education, grants four degrees, Bachelor of Arts, Bachelor of Education, Bachelor of Science and Bachelor of Commerce, to those students who have fulfilled the requirements for the degree in the respective schools of Arts, Education and Science.

REQUIREMENTS FOR GRADUATION

1. A minimum of four years, eight semesters, college work.
2. A minimum of two years residence at Hua Chung College. (See under *Residence*).
3. A minimum of 132 Credit Hours* of work, divided as follows:—
 - a) A minimum of 80 **Credit Hours during the Freshman and Sophomore years.

*Exclusive of Party Principles and Military Training.

**Inclusive of Party Principles, Military Training and Physical Education.

- b) A minimum of 60 **Credit Hours during the Junior and Senior years.
4. The completion of the work of one Major. (See under *Majors*.)
 5. An average grade of C for the work of the four years.
 6. The presentation of an acceptable thesis, in accordance with Government requirements.
 7. Successful passing of both Intermediate and Final Examinations. (See under *Examinations*.)
 8. The recommendation of the Faculty, and the sanction of the Senate.

MAJORS

Three-fourths of the entire work of the student during the Junior and Senior years must be devoted to the Major courses or related subjects.

Major credits in the first two years must not exceed 24. The minimum number of major credits in the Junior and Senior years must be at least half the total required in the department. The maximum number of credits required for a major must not exceed 60.

The Minimum number of Credit Hours required for the completion of Majors in the various Departments is as follows:—

School	Department	Major
Arts	Chinese*	42
	Commere-Economics	52
	English*	42
	Philosophy	—
	History—Sociology	47
Science	Biology	53
	Chemistry	54
	Mathematics	—
	Physics	46
Education	Education	44
	Psychology	40
	Music	—

CREDIT HOUR

A Credit Hour is determined as the equivalent of one lecture hour per week for one term of at least 17 weeks, or three clock hours laboratory work per week for a term of at least 17 weeks, including an examination in the subject studied.

*Excluding general college requirements.

No credits are given for a course in which the class has met less than 14 periods per credit hour.

QUALITY CREDIT

Quality Credit has reference to the work of the student in comparison with the norm of a mediocre student. This norm is designated as 1, and indicates that the student is doing the quality of work which will allow him to remain in College but not of sufficiently high quality to warrant the College in graduating him. The student is required to obtain 2 Quality Credits, for each Credit Hour, in order to graduate.

GRADING SYSTEM

Grade	Equivalent	Quality Credits
A	90—100%	4
B	75—89%	3
C	60—74%	2
D	50—59%	1
F	0—49%	Failure

Minimum Passing Grade for each course: D.

Graduation Requirements: Average grade of C.

Probation: Term average grade below D.

A student with two successive term averages below D is automatically dropped.

Intermediate Examination Requirement for passing: Average grade, C.

Final Examination Requirement for passing; average grade, C.

COURSES OF INSTRUCTION**SCHOOL OF ARTS****DEPARTMENT OF CHINESE LITERATURE***Assistant Professor L. P. Pao, Head*

- 101-102 **Prose Selections** 歷代文名著選
4 credits.
Lecture and recitation: 2 hours.
The selections are made so as to represent the spirit and development of literature in different ages.
- 103-104 **Rhetoric and Composition** 修辭學及作文
2 credits.
Lecture and recitation: 1 hour.
Studies in style, classification and construction of prose and poetic compositions. Cannot be taken separately from 101-102.
- 105-106 **Introduction to the Study of the Chinese Written Language** 文字學發凡
6 credits.
Lecture and recitation: 3 hours.
General principles and theories of the forms, sounds and meanings of Chinese characters, and their correct usages.
- 203-204 **History of Chinese Literature** 中國文學史
6 credits.
Lecture and recitation: 3 hours.
Tracing the rise, development and decadence of the several types of Chinese literature in different periods. Research studies into historical sources. Evolution.

- 205-206 **Selected Verse** 歷代詩選 (Term Courses.)
6 credits.
Lecture and recitation: 3 hours.
A critical study of selected writings from antiquity to modern times. A comparative study of the older and newer forms of expression. Compositions in the verse of different types are required of the student.
- 207-208 **Prose Literature B.C. 200-A.D.600** 漢魏六朝文選
6 credits.
Lecture and recitation: 3 hours.
Typical works of the Han, Wei and the Six Dynasties. Special attention to style and rhetorical skill.
- 209-210 **Prose Literature Since 600 A.D.** 唐宋以降文選
6 credits.
Lecture and recitation: 3 hours.
Typical works of authors from the Tang and Sung Dynasties down to the present time. Elementary critical studies.
- 211-212 **Origin and Development of the Classics** 經學通論
6 credits.
Lecture and recitation: 3 hours.
A comparative study of the views of various scholars and the problems of their disputes.
- 213-214 **Introduction to the Textual Criticism of Ancient Chinese Writings** 古書校讀法
4 credits.
Lecture and recitation: 2 hours.
- 301-302 **History of Chinese Intellectual Development** 中國學術思想史
6 credits.
Lecture and recitation: 3 hours.
With the results of previous research as a basis, the authenticity of classical works is discussed, in order to ascertain their date. Then the intellectual

development is traced with special reference to the peculiarity and contribution of each succeeding period. The influx and absorption of foreign cultures are likewise dealt with.

- 307-308 **Han and Wei Poetry** 漢魏六朝詩選
4 credits.
Lecture and recitation: 2 hours.
Selected poems from the Han, Wei and Six Dynasties, with special attention to lyric verse.
- 309-310 **Tang and Sung Poetry** 唐宋以降詩選
4 credits.
Lecture and recitation: 2 hours.
- 311-312 **Ch'ih Hsien** 詞選
4 credits.
Lecture and recitation: 2 hours.
- 315-316 **Study of the Chinese Novel** 中國小說研究
4 credits.
Lecture and recitation: 2 hours.
- 317-318 **Introduction to the Chinese Drama** 中國戲劇概論
4 credits.
Lecture and recitation: 2 hours.
- 319-320 **Criticism of Chinese Literature** 中國文藝論
4 credits.
Lecture and recitation: 2 hours.
- 321-322 **Modern Literary Tendencies** 現代文藝思潮
4 credits.
Lecture and recitation: 2 hours.
A detailed study of the literary renaissance of the last two decades.
- 323-324 **A Seminar course on the Chinese Classics**
經部專書研究
6 or 4 credits.
3 or 2 hours.

- 325-326 **A Seminar course on a Chinese historical work**
史部專書研究
6 or 4 credits.
3 or 2 hours.
- 327-328 **A Seminar course on philosophical works**
子部專書研究
6 or 4 credits.
3 or 2 hours.
- 329-330 **A study of a special author** 集部專書研究
6 or 4 credits.
3 or 2 hours.
- 331-332 **A seminar course on Chinese philology** 小學專書研究
6 or 4 credits.
3 or 2 hours.
- 401-402 **Research Problem: 畢業論文** Subject and Credits to be arranged. A detailed investigation on the part of the student, of a subject agreed upon.

DEPARTMENT OF FOREIGN LANGUAGES*Professor M. Bleakley, Head.***ENGLISH**

- 101-102 **Freshman Composition**
6 credits.
Lecture and recitation: 3 hours.
Training in comprehension and expression of oral and written English.
- 103-104 **Freshman Literature**
4 credits.
Lecture and recitation: 2 hours.
A study of some modern short stories, of at least one novel, of one modern play, and of some poetry.
- 107-108 **Special Freshman English**
6 credits.
Lecture and recitation: 4 to 6 hours.
A special course for Freshman students who have been conditioned in English in the entrance examination.
- 201-202 **Sophomore Composition**
4 credits.
Lecture and recitation: 2 hours.
A course aiming to cultivate the use of English as a tool, through detailed study of modern English prose passages.
- 203-204 **Sophomore Literature***
4 credits.
Lecture and recitation: 2 hours.
A study of two novels, of some short stories, of some of Shakespeare's plays, and of some modern plays.
- 207 **Eighteenth Century Literature**
3 credits.
Lecture and recitation: 3 hours.
A study of selected works of the eighteenth century to illustrate the literary and intellectual tendencies of the age and to serve as a foundation for the courses in nineteenth century literature.

*Cannot be taken separately from Eng. 201-202.

- 211-212 **Modern Drama**
4 credits.
Lecture and recitation: 2 hours.
A study of the function of drama in modern times based upon a survey of the plays of Ibsen, Shaw, Galsworthy, Barrie and O'Neill, with some attention to other dramatists.
- 213-214 **Shakespeare**
4 credits.
Lecture and recitation: 2 hours.
A general study of Shakespeare with special attention to his plays as divided into broad groups which illustrate the divisions of Shakespeare's life; with reference also to the origin and technique of the drama.
- 216 **Modern Short Stories**
2 credits. Open to Majors and Minors.
Lecture and recitation: 2 hours.
A study of the development of the short story as seen in the work of selected American and English writers with special attention to its technique and significance.
- 217 **Modern English Essays**
2 credits.
Lecture and recitation: 2 hours.
Critical analysis of various types of essays by modern English writers.
- 301-302 **English Prose of the Last Hundred Years**
6 credits.
Lecture and recitation: 3 hours.
A seminar study of some of the more important prose writers with emphasis on their relationship to the social, intellectual and religious movements of their time.
- 303-304 **English Poetry of the Last Hundred Years**
6 credits.
Lecture and recitation: 3 hours.
A study of selected poets from the French Revolution to the present, with emphasis on certain periods and some attention given to the nature of poetry.

- 307-308 **A Detailed Study of One or More Modern Writers**
4 credits.
Seminar: 2 hours.
A seminar study of one or more modern writers taking up the life, influence, works, style and aims of the writer or writers.
- 309-310 **Advanced English Composition**
4 credits.
Lecture and recitation: 2 hours.
A continuation of English 201-2 with more detailed study of form and style.
- 311-312 **A study of Literary Types**
4 credits.
Lecture and recitation: 2 hours.
A course presenting the essentials and differentiating features of the various types of English literature.
- 401-402 **Research Problem**
4 credits.
Conference: 2 hours.
- 403 (404) **Senior Composition**
1 credit.
Tutorial.

FRENCH

- 301-302 **First Year French**
4 credits.
Lecture and recitation: 4 hours.
Grammar Easy texts. Translation into Chinese.
Translation of easy texts into French.
Text: Boucher, Introduction.
- 303-304 **Second Year French**
4 credits.
Lecture and recitation: 3 hours.
Translations into French. Grammar. Reading of extracts from French authors. Conversation.
Text: Haouisée Extraits.

GERMAN

- 301-302 **First year German**
4 credits.
Lecture and recitation: 4 hours.
Grammar. Easy texts. Translation into Chinese.
Translation of easy texts into German.
Texts: Sander, Lehrbuch der Deutschen Sprache für Chinesen. Sander, Deutsches Lesebuch I.

- 303-304 **Second Year German**
4 credits.
Lecture and recitation: 3 hours.
Grammar. Readings. Translation.
Texts: As in 301-302, with the addition of Sander, Deutsches Lesebuch II.

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HISTORY - SOCIOLOGY DEPARTMENT*Rev. L. Constantine, Acting - Head.***HISTORY****101-102 Western History**

6 credits.

Lecture and recitation: 3 hours.

A general course of the West in outline with special attention to the period from the French Revolution to the Great War.

103-104 General History of China

6 credits.

Lecture and recitation: 3 hours.

This course presents a general and systematic study of political, social, economic and cultural changes and their mutual relations in Chinese history, so as to understand the origin and development of various Chinese traditions and problems.

203-204 English History

6 credits.

Lecture and recitation: 3 hours.

Prerequisite: 101-102.

Making of the nation; economic conditions; political institutions, cultural developments and overseas activities in modern times.

205-206 Economic History

(Identical with Economics 303-304)

207-208 History of Christianity

4 credits.

Lecture and recitation: 2 hours.

Prerequisite: 101-102.

Origin and development; position in the Mediaeval world; Reformation and Counter Reformation; contribution to world culture.

209-210 Chinese History of the last 300 years.

6 credits

Lecture and recitation: 3 hours.

The last 300 years forms an important transition period in Chinese history. This course aims at explaining what took place before and after the transition. Definitely we note the following topics: 1. Formation of the modern Chinese nation. 2. definition of the boundaries of modern China: 3. improvement of political institutions and their later degeneration: 4. Socio-economic problems and their influences: 5. analytic work of the intellectual class: 6. Coming of Chistian religion and occidental culture: 7. politico-economic contacts between China and foreign countries and their results: 8. movements of the revisionists, of the constitutionalists and of the revolutionists.

301-302 History of Chinese Social Development

6 credits

Lecture and recitation: 3 hours

Taking economic change as a key factor, we discuss the development of Chinese social organization, social problems and social relief. The "big-family" and ethical ideas are special topics to be noted. The course ends with the consequences wrought by the arrival of western capitalistic culture.

311 History of Western Civilization

3 credits.

Lecture and recitation: 3 hours.

Prerequisite: 101-102.

Cultures of the Mediterranean and their contribution to Mediaeval and Modern Europe; revolutionary movements, Industrial Revolution, rise of the modern national state.

317-318 Introduction to Historical Criticism:

4 credits.

Lecture and Recitation: 2 hours.

Study of kinds of history; examples of historical method; application of the historical method to a short period of history.

319-320 Special Subject (Term Courses)

3 credits per term.

Lecture and recitation: 3 hours.

Subjects announced in advance.

SOCIOLOGY**101-102 Introductory Sociology**

6 credits.

Lecture and recitation: 3 hours.

Designed to orient the students in the social sciences and to give a working system of thought about society. Prerequisite to all courses in sociology.

205(206) Social Problems

3 credits.

Lecture, recitation and field trips: 3 hours.

A study of the nature, extent, causes, effects and control of the problems of poverty, dependency, crime, health, mental deficiency and mental diseases, with special application to conditions in China.

(207) 208 The Family and the Child

3 credits.

Lecture and recitation: 3 hours.

The first part deals with the family as a center of interacting personalities: the investigation of the family problems in terms of the personal development of its members and the mores of the group; and the evaluation of the theories regarding the family disorganization and reorganization. The second part deals with the Child himself; the Child and the Home; the Child and the School; the Child and the Community; and the Child and the State.

209(210) Human Ecology

3 credits.

Lecture and Recitation: 3 hours.

A study of the spatial and symbiotic aspects of human Society. Types of community, nature of the organic unity and interdependence of communities and groups. Major ecological processes such as segmentation, integration, dominance, succession, and equilibrium in human community. Factors which determine the distribution of populations and institutions. Required of majors.

301-302 Cultural Anthropology

6 credits.

Lecture and recitation: 3 hours.

A general introduction to the study of man and his culture. Emphasis will be laid on the comparison of primitive social organizations, religions, art, mythology, language, etc.

(305) 306 Social Change

3 credits.

Lecture and recitation: 3 hours.

A study of the processes and factors of social change, including such topics as the growth of material culture, processes of change in non-material culture, the role of change in social change, the theories of cultural lags, cultural inertia, etc.

308 Social Philosophy

3 credits.

Lecture and recitation: 3 hours.

Designed to give the students of social sciences a foundation of which they may formulate their own social and political theories. Five representative works are studied with criticism: Plato, The Republic; Rousseau, Social Contract; Mill, Liberty; Hobhouse, Elements of Social Justice; Lee, Essentials of Marx.

309 Social Psychology

3 credits.

Lecture and recitation: 3 hours.

A study of the psychological factors involved in group behaviour and the adjustment of the individual to social situations.

315(316) Population

3 credits.

Lecture and recitation: 3 hours.

A survey of the theories and policies of population; a study of the growth, composition and distribution of world population; and the individual research of certain specific population problems.

- 317 **Urban Sociology**
3 credits.
Lecture, recitation and field trips: 3 hours.
A study of the fundamental principles of rural-urban social development, including an analysis of the forces and factors of rural-urban community life and the evaluation of the ways and means toward the solution of community problems.
- 318 **Rural Sociology**
3 credits
Lecture, recitation and field trips: 3 hours.
- (319)320 **Criminology**
3 credits.
Lecture and recitation: 3 hours.
A general survey of prevailing theories of crime and the historical development of criminal justice. An advance study of the extent, causes, effects and prevention of the problems of delinquency and crime, with special application to conditions in China.
- 321-322 **Seminar**
4 credits.
Personal investigation of assigned problems under guidance of the Department.
- (323)324 **Contemporary Sociological Theories**
3 credits.
Lecture and recitation: 3 hours.
A critical study of the theories of the contemporary sociological schools.
- 325(326) **Methods of Social Investigation**
3 credits.
Lecture, recitation and field study: 3 hours.
Designed to implement the students with the knowledge of accumulating social data, to familiarize them with sources of sociological material, to develop a critical attitude toward social statistics and social surveys and to apply the principles and techniques through field study.

- 331(332) **Social Statistics**
3 credits.
Lecture and recitation: 3 hours.
Description of social data by means of frequency distributions, averages, and measures of dispersion. Methods of collecting, classifying, correlations, and presenting social statistical data, with special reference to treatment of current Chinese problems in quantitative sociology. Required of majors in sociology.
- 333(334) **Social Control**
3 credits.
Lecture and Recitation: 3 hours.
Analysis of the techniques and processes by which changes in individual and collective behaviors and social organizations are effected. Problems of socio-economic and political control in the modern world are considered from the sociological view point. "Alternative-required". Designed to follow the course "Social Change."
- 335(336) **Contemporary Social Institutions**
3 credits.
Lecture and recitation: 3 hours.
Nature and functions of contemporary institutions. Survey and analysis of important modern legal, economic, political, educational, familial and religious institutions. Institutional patterns of behavior and social relations are discussed from the cultural and social psychological points of view. Required for major.
- 337(338) **Social Process**
3 credits.
Lecture and recitation: 3 hours.
An intensive study of the major social processes such as competition, conflict, stratification, accommodation, and assimilation. Extensive readings. Term paper. "Alternative-required."
- 401-402 **Research Problem**
4 credits.
Hours to be arranged.

POLITICAL SCIENCE**101-102 Party Principles**

2 credits.

Lecture and recitation: 1 hour.

The origin, history and policies of the Kuomintang.
The theories of the San Ming Chu I. The basis of the state under a five power constitution.

103-104 Introduction to Political Science.

6 credits.

Lecture and recitation: 3 hours.

An introduction to the whole subject of politics, divided for purposes of study, into two parts, the theory of the state, and comparative governments.

DEPARTMENT OF ECONOMICS AND COMMERCE*Mr. N. F. Garrett, Head.***ECONOMICS SECTION****101-102 Principles of Economics with Special Reference to China.**

6 credits.

Lecture and recitation: 3 hours.

The background of the economic struggle, economic history, population problems and natural environment of China; theory and problems in production, exchange, distribution and consumption.

103-104 World Geography.

6 credits.

Lecture and recitation: 3 hours

A study of the geography of the world with special emphasis on the economic interpretation features.

201-202 Money and Banking.

6 credits.

Lecture and recitation: 3 hours.

A study of fundamental monetary principals as applied to China's currency history, together with banking systems of the United States, England, Canada and France. The history and practice of the modern Chinese bank.

203-204 Contemporary Economic Thought.

4 credits.

Lecture and recitation: 2 hours.

An analysis of the most important economic theories of the present century and their influence on the nations in which they have occurred.

205-206 Geography of China.

6 credits.

Lecture and recitation: 3 hours.

The economic interpretation of Chinese geographical features.

- 301-302 **Public Finance.**
6 credits.
Lecture and recitation: 3 hours.
Public Finance—A general survey of the theory of public expenditures, public revenue and financial administration and a study of practical public finance in China.
- 303-304 **Economic History.**
6 credits.
Lecture and recitation: 3 hours.
Prerequisite: Economics 101-102; History 101-102.
A comprehensive study of the more important economic developments in China, England, France, Germany, the United States, Russia and Japan.
- 321-322 **Seminar in Economics.**
323-324
Credits arranged.
Lecture and conference.
Prerequisite: Economics 303-304.
- 401-402 **Research Problem.**
Seminar: 2 hours.
- COMMERCE SECTION**
- 101-102 **First year Accounting.**
6 credits.
Lecture and recitation: 3 hours.
- 201-202 **Elementary Statistics.**
6 credits.
Lecture and recitation: 3 hours.
Prerequisite: Math. 101-102, or its equivalent.
Identical with Math. 105-106.
- 203-204 **Second Year Accounting.**
3 credits.
Lecture and recitation: 3 hours.
A continuation of Commerce 101-102 through corporation accounting including a voucher system set.

- 205-206 **Fire and Marine Insurance.**
6 credits.
Lecture and recitation: 3 hours.
A general survey of the theory and practice of property insurance in China and abroad with practical problems.
- 301-302 **Business Associations & their Financial Organization.**
6 credits.
Lecture and recitation: 3 hours.
A study of the business associations in China as defined by the Civil Code and the Company Law and a survey of modern corporate finance.
- 303-304 **Principles of Accounting.**
6 credits.
Lecture and recitation: 2 hours.
Laboratory: 1 period of 3 hours.
Prerequisite: Junior standing.
A study of principles and practice of general accounting with special attention to single-proprietorship, partnership, and corporation form of accounts.
- 311-312 **Commercial Law.**
6 credits.
Lecture and recitation: 3 hours.
A study of modern Chinese law and cases on Contracts, agency, sales, negotiable instruments, property, domestic relations, and succession.
- 313-314 **Special Accounting.**
2-4 credits per semester.
Lecture and recitation: 1-2 hours.
Laboratory: 1 period of 3 hours.
Prerequisite: Commerce 303-304.
The class may select the special field of accounting with consent of the Department.
- 317(318) **Principles and Practice of Marketing.**
3 credits.
Lecture and recitation: 3 hours.
Prerequisite: Commerce 305.
Principles, methods and problems of marketing: the functions characteristics and merchandising problems of the more important middlemen.

319-320 **Foreign Trade of China**
6 credits.

Lecture and recitation: 3 hours.

A study of the Natural resources of China, the history of China's foreign trade, balance of payments, and contemporary commercial methods.

321-322 **Seminar in Commerce.**
323-324

Credits to be determined.

Lecture and conference to be arranged.

401-402 **Research Problem.**

4 credits.

Seminar: 2 hours.

DEPARTMENT OF PHILOSOPHY

Rev. C. F. Whiston, Head.

PHILOSOPHY

203-204 **History of Western Philosophy**

6 credits.

Lecture and recitation: 3 hours.

The development of philosophical thought from the time of the Greeks to the present.

205-206 **Introduction to Philosophy**

6 credits.

Lecture and recitation: 3 hours.

An elementary study of the problems concerned with the nature of the universe, the nature of man, and the nature of God.

207 **Introduction to Ethics**

3 credits.

Lecture and recitation: 3 hours.

A study of the concepts "good" and "evil", "right" and "wrong", "freedom". The metaphysical presuppositions of ethics, utilitarianism, intuitionism.

211-212 **Logic**

6 credits.

Lecture and recitation: 3 hours.

A study of formal logic, including a review of Indian logic, an analysis of the scientific method together with an introduction to symbolic logic.

301 **Contemporary Philosophy**

3 credits.

Lecture and recitation: 3 hours.

Idealism; pragmatism; neo-realism; vitalism.

303 **History of Indian Philosophy**

3 credits.

Lecture and recitation: 3 hours.

A study of the philosophy of the Upanishads, the great heresies, and the development of Buddhist philosophy in India.

- 304 **History of Buddhist Philosophy**
3 credits.
Lecture and recitation: 3 hours.
A study of the backgrounds of Buddhism in India, the teachings of Gotama, and the development of the Buddhist schools in both India and China.
- 305 **Ethical Theories and Problems**
3 credits.
Lecture and recitation: 3 hours.
The main types of ethical theories in the West, their comparison with Chinese ethical theories, and their bearing on ethical problems of the present day.
- 307 **Plato**
3 credits.
Lecture and recitation: 3 hours.
A careful study of some of Plato's more important dialogues, together with a systematic study of Plato's philosophy.
- 308 **Kant**
3 credits.
Lecture and recitation: 3 hours.
A critical study of the Critique of Pure Reason together with supplementary reading in the Critique of the Practical Reason and the Critique of Judgment.
- 309 **Modern Philosophical Writings**
3 credits.
Lecture and recitation: 3 hours.
The student is required to read critically the representative writings of one of the following: Bradley, Bosanquet, Hobhouse, Alexander, Bertrand Russell, Royce, James, Bergson.
- COURSES IN RELIGION**
- 201-202 **Introduction to the History and Philosophy of Religion**
6 credits.
Lecture and recitation: 3 hours.
A study of the rise and development of religion in the various stages of civilization, together with a philo-

- sophical study of the nature of religion and religious knowledge, the meaning and validity of such religious ideas as God, Purpose, Personality, Value, Freedom, Immortality.
- 215-216 **An Introductory Study to the Bible**
6 credits.
Lecture and recitation: 3 hours.
The Bible, its formation, historical background, contents and religious value, from a modern critical point of view.
- 213 **Church History in Outline**
(Identical with History 207)
- 311 **Social Teachings of Jesus**
3 credits.
Lecture and recitation: 3 hours.
A study of the implications of Jesus' teachings and their application to present day problems.
- 316 **Religions of the World**
3 credits.
Lecture and recitation: 3 hours.
A study of the various religions of the world.
- 317 **Introduction to the Study of the New Testament**
2 credits.
Lecture and recitation: 3 hours.
The formation, historical background, contents of the New Testament from a modern critical point of view.
- 411-412 **Literature and Religion of the Old Testament**
6 credits.
Lecture and recitation: 3 hours.
A critical study of the history, the religion, and the literary formation of the Old Testament.
- 415-416 **Literature and Theology of the Now Testament**
6 credits.
Lecture and recitation: 3 hours.
A critical study of the literary formation and the religious ideas and development in the New Testament.

- 417-418 **New Testament Exegesis** (selected books)
6 credits.
Lecture and recitation: 3 hours.
A critical exegesis of selected books of the New Test.
- 421-422 **Church History to the year 1500**
6 credits.
Lecture and recitation: 3 hours.
A religious and historical study of the development of the Christian Church to the year 1500.
- 423 **Church History since 1500**
3 credits.
Lecture and recitation: 3 hours.
A study of the development of Christianity since 1500.
- 424 **Missions.**
3 credits.
Lectures and recitation: 3 hours.
A study of the spread, methods and principles of Missions.
- 431-432 **System of Theology.**
6 credits.
Lectures and recitation: 3 hours.
A systematic study of the doctrines of Christian theology.
- 434 **Problem in Theology.**
3 credits.
Lectures and recitation: 3 hours.
An intensive study of a selected theological problem.
- 435 **Liturgics.**
3 credits.
Lectures and recitation: 3 hours.
A study of the principles and history of Christian Worship with especial treatment of the History and Use of the Book of Common Prayer.

The College requirement in Philosophy for Sophomores must be chosen from

Phil 203-204 or 205-206.
and Phil 201-202.

Courses in religion marked in the 400's are open only to qualified senior students except by special permission.

SCHOOL OF SCIENCE

DEPARTMENT OF BIOLOGY

Professor B. K. Chen, Head.

BIOLOGY

- 101(102) **College Biology**
5 credits.
Lecture and recitation: 3 hours.
Laboratory: 2 periods of 3 hours each.
Introduction to the biological sciences. Variety and relationship between organisms; dynamics of organisms; animals and plants in relation to environment; evolution, heredity and eugenics.
- 103(104) **General Botany**
4 credits.
Lecture and recitation: 2 hours.
Laboratory: 2 periods, 3 hours each.
Fundamentals of plant structure and plant physiology, together with an outline of classification and a consideration of principles underlying plant evolution. This course takes up also the representatives of algae, fungi, liverworts, mosses, ferns, gymnosperms and angiosperms, tracing the chief relationships of these groups to one another.
- 107(108) **Invertebrate Zoology**
5 credits.
Lecture and recitation: 3 hours.
Laboratory: 2 periods of 3 hours each.
An introduction to the study of zoological principles, history of zoology and the main types of invertebrates—their structure, development, locomotion, methods of feeding, adaptation, habit, distribution, etc. Discussion on a few important zoological theories, modern and old.
- 203(204) **Vertebrate Zoology**
3 credits.
Lecture and recitation: 2 hours.
Laboratory: 1 period of 3 hours.
A study of vertebrate types, their general characteristics, structure and development of organ-systems and evolution.

205(206) Comparative Vertebrate Anatomy

4 credits.

Lecture and recitation: 2 hours.

Laboratory: 2 periods of 3 hours each.

Prerequisite: vertebrate zoology.

A comparative study of various organ-systems of vertebrates to show their fundamental plan and processes evolution from the viewpoint of development. Emphasis on laboratory dissections.

207(208) Genetics

3 credits.

Lecture and recitation: 3 hours.

Prerequisite: Biology 101-102, or 105-106.

Principles of heredity and variation. Present status of various problems of genetics. Brief survey of some problems and methods of animal and plant breeding. Heredity in man.

(211)212 Comparative Plant Morphology and Phylogeny

3 credits.

Lecture and recitation: 2 hours.

Laboratory: 1 period of three hours.

Prerequisite: Biology 103.

A study of structure and life histories and relationships of types of each group of the plant kingdom.

213(214) Botanical Technique

2 credits.

Lecture and recitation: 1 hour.

Laboratory: 1 period of three hours.

Prerequisite: Biology 103.

Collection and preservation of plant materials. Practice in the methods of fixing, staining and preparation for sectioning plant material with discussion of the principles involved. Opportunity is afforded for making a representative collection of preserved materials and microscope slides. Primarily for those who anticipate research or teaching.

301(302) Systematic Botany

3 credits.

Lecture and recitation: 2 hours.

Laboratory: 1 period of three hours.

Prerequisite: Biology 103.

A course to acquaint the students with the local flora and the method of identification and classification of higher plants.

303(304) General Embryology

4 credits.

Lecture and recitation: 3 hours.

Laboratory: 2 periods of 3 hours each.

Prerequisite: Biology 107, 203, 205.

Principles of animal development from the origin and formation of the germ cell, through fertilization, cleavage and germ-layer formation to the establishment of organ systems. Review of the results of recent experimentation on the mechanism of development.

(305)306 Animal Histology

3 credits.

Lecture and recitation: 1 hour.

Laboratory: 2 periods of 3 hours each.

Prerequisite: Biology 107, 203.

A study of the microscopic structures of cells and tissues. Histological technique is emphasized.

(307)308 General Bacteriology

4 credits.

Lecture and recitation: 2 hours.

Laboratory: 2 periods of 3 hours each.

Morphology and activities of microorganisms and their importance in human diseases, industrial processes, agriculture and everyday life.

309(310) General Physiology

4 credits.

Lecture and recitation: 2 hours.

Laboratory: 2 periods of 3 hours each.

Prerequisite: Biology 103, 107, 306.

Principles of vital phenomena as interpreted on the basis of physico-chemical laws. Emphasis on the life activities common to the plants and animals, including man.

311-312 Biological Seminar

2 credits.

1 seminar period.

Review of current literature on important problems and methods in biological investigation.

313(314) Cytology

3 credits.

Lecture and recitation: 2 hours.

Laboratory: 1 period of three hours.

Prerequisite: Biology 103, 105, 203.

The structure of life history of the cell. Such subjects as spermatogenesis, oogenesis, syngamy, meiosis, apogamy, apospory, determination of sex, etc., are discussed. Laboratory work illustrates certain features of the program.

315(316) Protozoology

4 credits.

Lecture and recitation: 2 hours.

Laboratory: 2 periods of 3 hours each.

Prerequisite: Biology 107.

An intensive study based on the morphological physiological and systematic survey of the protozoans, emphasizing the relation of protozoans to disease and human welfare.

317(318) Twinning

2 credits.

Seminar: hours to be arranged.

A study of various types of twins in vertebrates and invertebrates, the mode and cause of twinning. Discussion on various theories and experimental work.

321(322) Animal Parasitology

4 credits.

Lecture and recitation: 2 hours.

Laboratory: 2 periods of 3 hours each.

Prerequisite: Biology 107.

Morphology, life-history, mode of infection, pathogenicity and control of animal parasites.

(323)324 General Entomology

4 credits.

Lecture and recitation: 2 hours.

Laboratory: 2 periods of 3 hours each.

Prerequisite: Biology 107.

The morphological characteristics of insects and the representatives of the different orders; their evolutionary relationship, life history, economic importance and methods of control.

325(326) Experimental Embryology

3 credits.

Lecture and recitation: 2 hours.

Laboratory: hours to be arranged.

Prerequisite: Biology 303.

A study of the mechanism of development. Significance of fertilization, problems of localization, differentiation and induction. Organizer theory, axial gradient theory, etc. Some experimental work is required.

(327)328 Comparative Histology

3 credits.

Lecture and recitation: 1 hour.

Laboratory: hours to be arranged.

Prerequisite: Biology 303 and 306.

A comparative study of the microscopic structures of certain organs in various animals. Emphasis on laboratory technique to prepare students for research work.

(329)330 Evolution

3 credits.

Lecture and recitation: 3 hours.

Prerequisite: Biology 207.

The phylogenetic relationship among animals and plants. Critical review of various theories of the origin and evolution of life. Evidences. The descent of man.

331-332 Zoological Technique

2 credits.

Laboratory: 1 period.

(333)334 Teaching of Biology.

2 credits.

Lecture and recitation: 2 hours.

Prerequisite: Biology 101-102, 103-104.

A study of teaching material, laboratory equipment, methods of teaching, and various teaching aids in elementary courses in Biology, Botany, and Zoology in middle schools.

401-402 Special Problem

4 credits.

Independent investigation of a simple biological problem, under the supervision of a staff member of the department.

DEPARTMENT OF CHEMISTRY*Professor T. G. Djang, Head.*

- 101 **General Chemistry**
4 credits.
Lecture and recitation: 3 hours.
Laboratory: 1 period of 3 hours.
This course aims to orient students in "chemical reasoning". Gas laws in their simple form, types of chemical reactions and the principles connected therewith, the periodic system and compounds of non-metallic elements. Emphasis is placed on good technique and interpretation of results obtained in the laboratory.
- 102 **General Chemistry (Qualitative Analysis)**
4 credits.
Lectures and recitations: 2 hours.
Laboratory: 2 periods of 3 hours each.
Prerequisite: Chem. 101.
A continuation of Chem. 101. The metallic elements and their compounds, theories and laws related to qualitative analysis such as physical and chemical equilibrium, hydrolysis, etc. A number of unknowns will be issued to students as tests of their achievement.
- 103-104 **Pandemic Chemistry**
6 credits. For Non-science Majors.
Lecture and recitation: 3 hours.
This course aims to give students some acquaintance with the general philosophy of this physical science and its manifold bearing upon the life of each one of us. A number of assigned readings during the second term.
- 201 **Second Year Chemistry**
3 credits.
Lecture and recitation: 2 hours.
Laboratory: 1 period of 3 hours.
Prerequisite: Chemistry 101-102.
Covers laws of chemical combination, solution, various types of equilibrium, etc. The approach will be

- less mathematical than a formal course in physical chemistry. The substance will be based largely upon Chapin's Second Year Chemistry. The work in laboratory will consist chiefly of simple physico-chemical measurements and synthesis of some complex inorganic compounds.
- 204 **Elementary Quantitative Analysis (Inorganic)**
4 credits.
Lecture and recitation: 2 hours.
Laboratory: 2 periods of 3 hours each.
Prerequisites: Chem. 101-102.
Discussions on theories and laws related to different analytical operations and processes, such as neutralization, precipitation, oxidation, reduction and electrolytic determinations, together with work in the laboratory. A large number of practical problems will be assigned to students, enabling them to understand the applicability of various methods.
- 205-206 **Elementary Organic Chemistry. (Old number 301)**
7 (4-3) credits.
Lecture and recitation: 2 hours, both semesters
Laboratory: 2 periods of 3 hours each, 1st semester; 1 period 2nd semester.
Prerequisite: Chem. 101-102.
The fundamental principles of organic chemistry, the general properties and preparation of classes of organic compounds together with the elementary study of general reactions. The laboratory work will involve the preparation of selected aliphatic and aromatic compounds, and their identification.
- 301-302 **Physical Chemistry**
9 (4-5) credits.
Lecture and recitation: 3 hours 1st semester; 4 hours 2nd semester.
Laboratory 1 period of 3 hours.
Prerequisites: Mathematics 103-104, Physics 101-2, Chemistry 101-102.
This course aims at giving students a thorough understanding of the fundamental theories and laws that are the frame-work of all the other branches of chemical science. Laws governing states of matter,

the physical properties and molecular constitution, chemical kinetics, solutions of non-electrolytes and electrolytes, thermo-chemistry, etc. Selected experiments.

303-304 Advanced Physical Chemistry.

8 credits.

Lectures and recitation: 3 hours, 1st semester; 4 hours, 2nd semester.

Laboratory: 1 period of 3 hours, 1st semester.

Detailed study of special topics during the first semester. The second semester is devoted to Chemical thermodynamics.

305 (306) Advanced Quantitative Analysis.

4 credits.

Lecture and recitation: 2 hours.

Laboratory: 2 periods of 3 hours each.

Prerequisite: Chem. 204.

The substance of this course will largely be based on Kolthoff's Volumetric Analysis and Smith: Analytical Processes, with discussions on topics such as the Choice of Standards, Adsorption Indicators, Oxidation-reduction Indicators, Organic Precipitants, Coprecipitation, etc.

307 Advanced Inorganic Chemistry.

4 credits.

Lecture and recitation: 2 hours.

Laboratory: 2 periods of 3 hours each.

Prerequisite: Chem. 204.

This course aims at giving students an understanding of recent advances in inorganic chemistry with particular consideration of the chemistry of rare earth elements complex compounds.

Laboratory work: preparing more complex inorganic substances.

309 Advanced Organic Chemistry. (Old number 310)

4 credits.

Lecture and recitation: 2 hours.

Laboratory: 2 periods of 3 hours each.

Prerequisite: Chem. 205-206

A more detailed study of organic chemistry from the theoretical viewpoint, followed by consideration of general methods of synthesis. The underlying

theories having been established, detailed consideration of classes of compounds, such as unsaturated substances, sugars, alkaloids, and terpenes follows. The laboratory course is a continuation of that in Chem. 205-206.

310 Organical Analysis (Old number 315)

3 credits.

Lecture and recitation: 1 hour.

Laboratory: 2 periods of 3 hours each.

Prerequisites: Chem. 205-6.

Detection, identification and estimation of the various classes of organic compounds. A number of unknowns will be issued to students. Students will be required to make use of the combustion apparatus for the ultimate analysis of various constituents of organic substances.

312 History of Chemistry.

3 credits.

Lecture and recitation: 3 hours.

Prerequisite: Chem. 201.

A survey of the evolution of theories and laws of chemistry from the alchemists' period to the present time. Life and works of great chemists upon which the progress of chemical science has centered.

314 Technical Analysis.

6 credits.

Laboratory: 3 periods of 3 hours each.

Prerequisite: Chem. 204.

Analysis of oils, coals, iron, water, and a number of native commercial and industrial products.

322 Industry Chemistry.

3 credits.

Lecture and recitation: 3 hours.

Laboratory: to be arranged.

Prerequisites: Chem. 303-304, Mechanical Drawing.

The first semester will be divided into three parts:—

- (1) Factory administration and organization.
- (2) The construction of plant.
- (3) General survey of the World's Industries.

The consideration of native industries will follow in the second semester.

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323(324) Methods of Teaching Chemistry in the Secondary School.

3 credits.

Lecture and recitation: 3 hours.

This course deals with: Objectives of teaching chemistry in High school, Selection of text-book, classroom management, use of various forms of tests, methods of teaching special topics, lecture demonstrations, teaching aids, laboratory management, purchasing of apparatus and chemicals, Selection of books on chemistry for outside reading, etc, etc.

(325)326 Instrumental Method of Chemical Analysis.

2 or 3 credits.

Laboratory: 2 or 3 periods.

Prerequisite: Chem. 204, 303-304.

Gas analysis, photochemical analysis, Electrometric titrations, etc., etc.

335(336) Literature of Chemistry.

2 credits.

Lecture and recitation: 2 hours.

(337)338 Seminar.

Hours and credits to be arranged.

401-402 Special Problem.

Credits to be determined.

Laboratory: 2 or 3 periods.

Students are required to consult with the professor or professors in the department at the beginning of their senior year about the topic for research in any one of the three branches of chemistry—analytical, organic or physical. The results of such work will serve as material for theses required for graduation.

Note:

1. Students majoring in chemistry must earn a minimum of 54 credits before they are allowed to graduate. These should include 22 credits from Chemistry 101-206 which are required in the first two years work regardless of the branch of chemistry in which students intend to specialize later. Students are advised to consult with the chairman of the department concerning the line of pursuit in the junior and senior years.

2. Students desiring to specialize in physical chemistry are advised to include at least Differential Equations in their Mathematics courses, and to have their minor in physics.
3. Students desiring to specialize in industrial chemistry are advised to include a course in elementary economics or commerce among their electives.

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DEPARTMENT OF PHYSICS.*Professor Richard Bien, Head.***101-102 College Physics.**

8 credits.

Lecture and recitation: 4 hrs.

Prerequisites: Trigonometry, Higher Algebra, Middle School Physics.

A comprehensive treatment of the fundamental principles and a general survey of physics. Students are expected to work out a large number of illustrations.

101L-102L General Physics Laboratory.

2 credits.

Lab: 1 period of 3 hours.

Companion course to Physics 101-102. Accuracy in observation and calculation, and the use of standard instruments will be emphasized.

105L-106L Physical Laboratory.

2 credits.

Lab: 1 period of 3 hrs.

For those students deficient in laboratory training previous to admission.

201(202) Radio Communication.

3 credits.

Lecture: 2 hrs.

Lab: 1 period of 3 hours.

Prerequisites: Physics 101-102, Physics 101L-102L. Methods of excitation, propagation and detection of electric waves, with particular emphasis on the principle and operation of vacuum tubes.

215(216) Photography.

3 credits.

Lecture: 2 hours.

Lab: 1 period of 3 hours.

Prerequisites: Physics 101-102, Physics 101L-102L, Chemistry 101.

The principal aim of this course is to enable students to gain an intelligent knowledge on the use of camera,

film or plate, not only for landscape pictures, but also as necessary scientific implements for many Physical problems. Emphasis will be placed on photographic optics, theory of photographic processes and methods; making of enlargements, lantern slides and blue-print paper; photomicrography; Nature Color photography; use of panchromatic plates.

205-206 Mechanics.

8 credits.

Lecture and recitation: 4 hours.

Prerequisites: Physics 101-102, Physics 101L-102L, Math. 103-104.

Topics treated: Fundamental concepts of mechanics; vectors, velocity, acceleration, mass and force, work and energy, center of gravity, moments of inertia.

Statics: that of a particle, of rigid bodies, theorem relating to couples, Frameworks, Statics of deformable bodies.

Dynamics of particles: gravity and gravitation, Harmonic motion, curvilinear motion, central forces, Harmonic laws, and constrained motion.

Numerous illustrative problems will be assigned.

207-208* Light.

6 credits.

Lecture and recitation: 3 hrs.

Prerequisites: Physics 101-102, 101L-102L, 205-206. Math. 203-204.

Geometrical and physical optics, optical instruments and theories.

209-210 Heat, Kinetic Theory, and Thermodynamics.

6 credits.

Lecture and recitation: 3 hours.

Prerequisites: Same as for Physics 207-208. Thermometry, Calorimetry, and Radiation.

Equations of state, distribution of molecular velocities, viscosity, heat conduction and diffusion, specific heats.

First and Second Laws of Thermodynamics, entropy and thermodynamic potentials, Phase Rule and Chemical Equilibrium, Power cycles, Nernst Theorem.

211-212 Intermediate Physical Laboratory.

4 credits or 8 credits.

Laboratory: 1 period of 3 hrs. or 2 periods.

Prerequisites: Physics 101L-102L, Math 103-104.

A course of experiments of an advanced character.

Students are required to perform the experiments individually, relying partly on their own initiative.

Students taking courses 205-210 inclusive (as well as students taking the premedical course) are urged to take this laboratory course. Assigned readings.

Note: This course can be taken as two separate semester courses.**213(214)* Theory and Practice of Measurements.**

1 credit.

Lecture and recitation: 2 hours.

Prerequisites: Physics 211-212, Math 103-104.

301-302 Advanced Physical Laboratory.

4 credits or 8 credits.

Laboratory: 1 period of 3 hours or 2 periods.

Prerequisites: Physics 211-212, Math 203-204.

Experiments are mostly on Electrical and optical measurements, and Modern physics. Emphasis are on the acquisition of technical skill in the use of refined instruments and devising actual Laboratory set-up.

Assigned readings and consultation of original sources.

303-304 Introduction to Theoretical Physics.

6 credits.

Lecture and recitation: 3 hrs.

Prerequisites: Physics 205-206, Math 301-302 or Physics 311-312 and one course numbered after 206.

Topics treated: Mechanics, vibrating particles, strings, and membranes; Motion of rigid bodies, Elasticity, Hydrodynamics, and Heat flow.

Electromagnetic theory, potential theory, and electromagnetic wave theory of light.

Statistical Mechanics, wave mechanics, and quantum theory.

Emphasis will be on the fundamental unity of physics, and the importance of applying principles developed for one branch of the science to the problems of another.

Numerous problems will be assigned.

307-308 Physics Seminar.

2 credits.

1 seminar period.

Review and discussion and current literature on physical problems. Reports on investigations and findings in thesis work in this laboratory.

311-312* Applied Mathematics for students of Physics.

6 credits.

Lecture and recitation: 3 hours.

Prerequisites: Physics 205-206, Math 203-204.

Selections from Sokolnikoff's Higher Mathematics for students of Physics and engineering, to drill the students in the fundamental mathematics required in physics.

313-314 Modern Physics.

6 credits.

Lecture and recitation: 3 hours.

Prerequisites: Math. 203-204, Physics 205-206, and one more Physics course after 206.

Designed to give a systematic knowledge of the latest development in Physics. The topics covered will be: the electrons, positive rays, radio-activity, Rontgen rays, Nature of light, Line spectra, X-ray spectra, Atomic structure, Critical potentials of elements, interaction between matter and Light, wave-mechanics, and Nuclear Physics.

315-316 Advanced Electricity and Magnetism.

6 credits.

Lecture and recitation: 3 hours.

Prerequisites: Math. 203-204, Physics 205-206.

Topics treated: Electrostatics, Magnetostatics, Steady currents, Chemical and thermal effects, magnetic field of a current, Motion of ions in Electric and Magnetic fields, Electro-magnetic induction, Alternating currents, Coupled circuits, filters, and lines, electro-magnetic waves, High frequency oscillations.

317-318* Electric Oscillations and Electric waves.

6 credits.

Lecture and recitation: 3 hours.

Prerequisites: Math. 203-204, Physics 205-206, Physics 201.

This course will take up in detail the mathematical theory of electric oscillations and Electric waves, and also the design and operation of various types of radio instruments and systems.

401-402 Special Problems

4 credits.

Laboratory: at least 3 hours a week; or equivalent.

Independent investigation of some physical problem, or the reproduction of published standard researches.

Students are required to consult the head of the department on or before June 1, of their Junior year.

*not offered in 1937-1938.

DEPARTMENT OF MATHEMATICS*Assistant Professor J. L. Coe, Head.***101-102 Algebra; Plane Trigonometry.**

6 credits.

Lecture and recitation: 3 hours.

Review of quadratics; solution of higher degree equations by Horner's method; plane trigonometry; plane analytic geometry; rectangular co-ordinates; polar coordinates; the straight line and conics; change of axes.

103-104 Differential and Integral Calculus.

6 credits.

Lecture and recitation: 3 hours.

The elements of differential and integral calculus with simple applications.

105-106 Elementary Statistics.

6 credits.

Lecture and recitation: 3 hours.

The elementary theory and applications of mathematical statistics, with a detailed study of such topics as averages, measures of dispersion, and coefficients of correlation, the normal curve of error, and its applications to the theory of least squares and the graduation of frequency theories.

107-108 Mechanical Drawing.

2 credits.

Lecture and recitation: 1 hour.

201 Higher Algebra.

3 credits.

Lecture and recitation: 3 hours.

The progressions, series permutations and combinations. Review of elementary algebra. Binomial theorem.

202 Introduction to the Theory of Equations.

6 credits.

Lecture and recitation: 3 hours.

Includes the solution of cubics and quadrics.

- 203-204 **Intermediate Calculus and Differential Equations.**
6 credits.
Lecture and recitation: 3 hours.
A further study of differential and integral calculus, and partial differentiation and integration. Series, envelopes, singular points. Elementary differential equations, and solid analytic geometry.
- 301-302 **Advanced Calculus and Analysis.**
6 credits.
Lecture and recitation: 3 hours.
Differentials; change of variable; multiple Integrals; Fourier's Series; Harmonic Analysis.
- (303)304 **Projective Geometry.**
3 credits.
Lecture and recitation: 3 hours.
- 305-306 **Vector Analysis.**
6 credits.
Lecture and recitation: 3 hours.
- (309)310 **Introduction to the Mathematics of Relativity.**
3 credits.
Lecture and recitation: 3 hours.
Four Dimensional Geometry; Tensors; The Riemann Tensor and Its Application to Physics.

SCHOOL OF EDUCATION**DEPARTMENT OF EDUCATION***Professor P'u Hwang, Head.*

- 101-102 **Principles of Education.**
6 credits.
Lecture and recitation: 3 hours.
- 103-104 **Introduction to Education.**
6 credits.
Lecture and recitation: 3 hours.
An orientation course, dealing with the principles and important facts of the general field of education.
- 201-202 **Practice Teaching and Classroom Methods**
6 credits.
Lecture and recitation: 2 hours.
Laboratory: 3 hours.
An introduction to the problems and technique of classroom teaching through directed observation and teaching.
- 203-204 **Principles of Secondary Education.**
4 credits.
Lecture and recitation: 2 hours.
A detailed treatment of the principles and problems of the Secondary School.
- 205-206 **Introduction to Religious Education.**
4 credits.
Lecture and recitation: 2 hours.
Principles, Methods and Materials useful to teachers of religion in secondary schools.
- 301-302 **Practice Teaching.**
6 credits.
Discussion: 1 hour.
Continuation of Ed. 201-202, with the addition of individual responsibility for the teaching of a course in the Middle School.

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- 303-304 **Practice Teaching.**
6 credits.
Discussion: 1 hour.
Laboratory: 4 hours.
Continuation of Ed. 301-302, with responsibility for the teaching of two courses in a middle school, but no observation work.
- (309)310 **History of Chinese Education.**
3 credits.
Lecture and recitation: 3 hours.
A general survey of the development of educational theories and institutions in China from ancient times to 1862.
- 311-312 **General History of Education.**
4 credits.
A general survey of the development of educational theories and institutions in the West from ancient to modern times.
- 313-314 **Educational Sociology.**
4 credits.
Lecture and recitation: 2 hours.
A study of the sociology of educational problems; the relation of the school to the other social institutions, and the methods of approach to some of the social problems in China through education.
- 315-316 **Foundations in Educational Thinking.**
4 credits.
Seminar: 2 hours.
- 317-318 **Character Education.**
4 credits.
Lecture and recitation: 2 hours.
- 319(320) **Administration and Supervision of Religious Education.**
3 credits.
Lecture and recitation: 3 hours.
- 321(322) **Modern Education in China.**
2 credits.
Lecture and recitation: 2 hours.

- A survey of the development of modern education in China since 1862, concluding with a study of the present Chinese educational code.
- 323-324 **Measurements and Statistics in Education.**
6 credits.
Lecture and recitation: 3 hours.
Principles, methods and technique of measurement and testing in education, together with the application of statistical methods to classroom problems.
- 325-326 **Secondary School Administration and Supervision.**
4 credits.
Lecture and recitation: 2 hours.
The problems and methods of supervising middle schools.
- 327-328 **Comparative Systems of Education.**
4 credits.
Lecture and recitation: 2 hours.
Comparison of the organisation and underlying principles of the educational systems of some of the principal countries in the West.
- 329-330 **Educational Administration and Supervision.**
4 credits.
Lecture and recitation: 2 hours.
Organisation, management, support and control of public schools.
- 333(334) **Rural School Administration.**
2 credits.
Lecture and recitation: 2 hours.
A study of the particular problems of administration in rural schools.
- 335(336) **Organisation of a Curriculum.**
2 credits.
Lecture and recitation.
The outline and development of a course of study for middle schools on the basis of aim and background.
- 337-338 **Elementary Statistics.**
6 credits.
Lecture and recitation: 3 hours.
Prerequisite: Algebra, geometry.
Identical with Mathematics 105-106.

- 341-342 **Special Methods in Teaching English.**
4 credits.
Including the study of phonetics.
- 343(344) **Special Methods in Teaching Geography.**
2 credits.
- 345-346 **Special Methods in Teaching Chinese.**
2 credits.
- (347)348 **Special Methods in Teaching Biology.**
2 credits.
Identical with Biology (333)334.
- 349(350) **Special Methods in Teaching Chemistry.**
3 credits.
Identical with Chemistry 323(324).
- (351)352 **Special Methods in Teaching Physics.**
1 credit.
- 353(354) **Special Methods in Teaching History.**
2 credits.
- 355-356 **Special Methods in Teaching Music.**
4 credits.
Lecture: 1 hour, Recitation: 1 hour.
- 401-402 **Research Problem.**
4 credits.
Seminar: Minimum, 2 hours per week.

DEPARTMENT OF PSYCHOLOGY

Professor I Hu, Head.

103-104 General Psychology

6 credits.

Lecture, demonstration, and recitation: 3 hours.

An introductory course in psychology primarily for the Freshman class. The course is aimed at giving the students fundamental knowledge concerning the origins of behavior patterns; the motives of behavior; the modes of interactions between organisms and their environment; the nature of mental processes; and the development of personality. The methods and fields of psychology, and some psychological schools, will be briefly treated to acquaint the students with present status of psychology as a science.

203-204 Educational Psychology

4 credits.

Lecture and recitation: 2 hours.

Prerequisite: Psy. 103-104.

Primarily for students in education and those preparing to teach. Emphasis is placed on original nature, growth, motivation, and mostly on learning. Constant reference is made to school situations to aid students to utilize and apply psychological principles.

205-206 Experimental Psychology

6 credit.

Lecture: 1 hour.

Laboratory: 2 periods of 3 hours each.

Prerequisite: Psy. 103-104.

Essentially a laboratory course to provide training in elementary experimental technique. Problems in memory, learning, thinking, work, as well as sensory, perceptual and affective processes are designed for experimental study. The lecture part is intended to cover the more important findings of experimental psychologists.

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207(208) Lectures on Human Physiology

3 credits.

Lecture: 3 hours.

Lectures on the functions of the human body as the basis of psychological behavior. Emphasis is placed on the nervous system, the visera, and the endocrines. The intention is not to prepare students for physiological study but to supply an intelligent background for understanding. Detailed anatomical studies are purposely omitted.

209(210) Applied Psychology

2 credits.

Lecture and recitation: 2 hours.

Prerequisite: Psy. 103-104.

Discussion of the importance of psychology in the social sciences other than education. Primarily for students in Sociology and Commerce. Practical applications rather than theoretical discussions form the major portion of the material.

211(212) Business Psychology

2 credits.

Lecture and recitation: 2 hours.

Applications of psychology in the fields of Advertising, salesmanship, and personnel work.

305-306 Abnormal Psychology and Mental Hygiene

4 credits.

Lecture and recitation: 2 hours.

Mental derangements studied with reference to the various ways of classification and investigation. Special emphasis on the discovery of early symptoms and preventive work in the milder categories.

May be offered and taken as two term courses of two credits each.

(307)308 Psychology of Religion

2 credits.

Lecture and recitation: 2 hours.

A psychological study of the origin, development, and persistence of the religious and superstitious beliefs of mankind.

309(310) Social Psychology

3 credits.

Lecture and recitation: 3 hours.

For students of psychology and the social sciences. The behavior of the individual in the social environment; the development of social attitudes and social consciousness; and mechanisms of conflict and adjustment, form some of the topics of study. Attention will be given to psychological factors influencing behavior in Chinese society.

311-312 Psychology of Childhood and Adolescence

4 credits.

Lecture and recitation: 2 hours.

Study of human growth from early infancy up to maturity. Experimental results are brought to bear upon the theories and conceptions that form the bases of our present educational procedure. A portion of the course will deal with the problems of middle school children. May be taken separately as two term courses.

313(314) History of Psychology

3 credits.

Lecture and recitation: 3 hours.

A general survey of the historical background of scientific psychology, the relations of psychology to the other sciences, and the historical development of psychological methodology.

315(316) Systems of Psychology

3 credits.

Lecture and recitation: 3 hours.

Interpretation and criticism of the principles and methods of various psychological 'schools'. For advanced students only.

317(318) Theory and Construction of Tests

3 credits.

Lecture and exercise: 3 hours.

Prerequisite: Edu. 323-324.

Experimental verification of the assumptions underlying the procedure of test construction. Problems like the selection and organization of items, methods of scoring, validity and reliability, and theories of mental organization based on test results will be discussed.

319(320) Psychology of School Subjects

3 credits.

Lecture and recitation: 3 hours.

Prerequisite: Psy. 203-204.

For students preparing to teach. Studies of the various types of adjustment and learning present in the different subjects, the teaching methods that are adapted to the types of learning, the correlating character of the studies in the subjects, and the integrative function of the school.

321(322) Comparative Psychology

3 credits.

Lecture and recitation: 3 hours.

Studies in animal psychology compared with similar ones in humans. Animals lower than mammals are not included for serious consideration. Major problems are learning, conditioned reflex, maturation, and motivation. Sensory and perceptual studies touched upon only in connection with the major topics.

323(324) Tests and Theories of Personality

3 credits

Lecture and recitation: 3 hrs.

325(326) Advanced Experimental Psychology

2 credits.

Laboratory: 2 periods of 3 hours each.

Prerequisite: Psy. 205-206.

Individual research problems of experimental nature carried on under the supervision of instructor.

331-332 Research Seminar

4 credits.

Conference: 2 hours.

DEPARTMENT OF MUSIC*Frieda F. Taylor, Head***95-96 Piano: Grade III.**

No credits. Private recitations.

Recitation: 1 hour.

Practice: 6 hours.

Scales and arpeggios in various forms; studies from Bach, Czerny-Liebling, Loeschorn, Burgemueller, Heller (Op. 47), Czerny (Op. 299) Schytte, Carveoll Hanon, Suitable pieces and hymns, sight reading.

97 or 98 Elementary Sight Singing

No credits.

Recitation: 1 hour.

This course or its equivalent, prerequisite for Voice Training.

101-104 Piano: Grade IV.

6 credits. Private recitations.

Recitation: 1 hour.

Practice: 6 hours.

Scales and arpeggios; studies in octave playing; selections from Heller (Op. 46 & 45), Czerny-Liebling, Book 2, Bach's Short Preludes and Fugues Schytte, Sight Reading: suitable pieces.

103-104 Piano: Grade V.

6 credits. Private recitations.

Practice: 6 hours.

Scales and arpeggios in numerous ways, with double thirds dominant and diminished seventh chords and arpeggios; Czerny (Op. 740), Cramer, Moscheles, Bach's two part inventions Kulak's octave studies; Selected classical modern pieces.

105-106 Piano: Grade VI.

6 credits. Private recitations.

Recitation: 1 hour.

Practice: 6 hours.

Advanced technical studies including Haberhier, Henselt, Kullak, Chapin Etudes, Bach's Well-Tempered Clavichord, classical and modern compositions, sight reading.

- 107-108 **Piano: Grade VII.**
 8 credits. Private and class recitations.
 Recitation: 1 hour.
 Practice: 6 hours, minimum.
 Studies from Bach, Liszt, Chopin, Rubinstein, and modern composers. Symphony studies.
- 109-110 **History and Appreciation of Music**
 4 credits.
 Lecture and recitation: 2 hours.
- 111-112 **Elements of Harmony**
 2 credits.
 Lecture and recitation: 1 hour.
- 113-114 **Musical Analysis**
 2 credits
 Lecture and recitation: 1 hour.
- 115-116
 117-118 **Voice Training**
 119-120
 6 credits.
 Lecture and recitation: 1/2 hour. Private lessons.
- 121-122
 123-124 **Band Instrumentation and Conducting**
 Credits and hours arranged.
- 125-126 **Public School Music**
 4 credits.
 Lecture and recitation: 1 hour.
 Laboratory: Hours arranged.
 Prerequisite: Completion of Piano Grade 4.
- 127-128 **Symphony Studies**
 2 credits.
 Directed class work: 3 hours.

Explanatory Notes.

Credits are given in piano at the rate of 2 Credit Hours per term, with the understanding that in grades IV, V and VI, the work of each grade must be completed in a maximum of three terms, and that the work of grade VII must be completed in a maximum of four terms.

These credits are based on 6 practice periods and one 50 minute recitation per week. Extra practice periods may be required, without extra credits being given.

A student of extra-ordinary ability who finishes the work of a grade in less than three terms receives the full six credits for the work.

All students taking credit courses in music are required to attend all recitals and programs of the department and such other musical performances as the department may determine.

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PHYSICAL EDUCATION*Mr. Shao Tze-po, Physical Director*

- 101-102 **Military Training**
2 credits. Required of Freshmen Men.
Lecture and recitation: 1 hour.
- 103-104 **First Aid**
2 credits. Required of Freshmen Women. Elective for men.
Lecture and Field work: 1 hour (minimum).
- 105-106 **Military Training Field Work**
2 credits. Required of Freshmen Men.
Drill 2 hours. Summer Encampment.
- 107-108 **Freshmen Women's Practical Work**
2 credits. Required of Freshmen Women.
Dancing, Games and Gymnasium: 2 hours.
- 203-204 **Advanced First Aid (Practical Nursing)**
2 credits. Elective.
Lecture and demonstration work arranged.
- 205-206 **Sophomore Women's Practical Work**
2 credits. Required.
Dancing, Games, Track and Gymnasium: 2 hours.
- 207-208 **Sophomore Men's Practical Work**
2 credits. Required.
Games, Track and Gymnasium: 2 hours.
- 301-302 **Hygiene**
2 credits. Required.
Lecture and recitation: 1 hour.
- 303-304 **Field and Gymnasium Work**
2 credits. Junior Year.
Practical work: 2 hours. Dancing optional for women.
- 305-306 **Field and Gymnasium Work**
2 credits. Senior Year.
Practical work: 2 hours. Dancing optional for women.

MAJOR COURSES**CHINESE MAJOR COURSES**

Intermediate Examination: Chinese (Double), English, History and any other two subjects.

<i>Freshman Year</i>			<i>Sophomore Year</i>		
Chinese	101-102	2 2	Chinese	203-204	3 3
Chinese	103-104	1 1	Chinese	209-210	
Chinese	105-106	3 3		or 207-208	3 3
English	101-102	3 3	English	201-202	2 2
English	103-104	2 2	English	203-204	2 2
*P.E.		2 2	Philosophy Elective		3 3
History	103-104	3 3	P.E.		1 1
Electives		6 6	Electives		5 5
Total		22 22	Total		19 19
<i>Junior Year</i>			<i>Senior Year</i>		
P.E.	301-302	1 1	P.E.		1 1
P.E.		1 1	Chinese	315-316	2 2
Chinese	205-206	3 3	Chinese	319-320	2 2
Chinese	211-212	3 3	Chinese	323-324	3 3
Chinese	311-312	2 2	Electives		8 8
P.S.	101-102	1 1			
Electives		6 6	Total		16 16
Total		17 17			

**Note:* P.E.=Physical Education. P.S.=Political Science.

ENGLISH MAJOR COURSES

Intermediate Examination: English (double), Chinese, History, any other two subjects. (N.B.)

<i>Freshman Year</i>			<i>Sophomore Year</i>		
Chinese	101-102	2 2	Chinese	Elective	3 3
Chinese	103-104	1 1	English	201-202	2 2
Chinese	105-106	3 3	English	203-204	2 2
English	101-102	3 3	History	203-204	3 3
English	103-104	2 2	Philosophy	Elective	3 3
P.E.		2 2	P.E.		1 1
History	101-102	3 3	Electives		5 5
Electives		6 6			
Total		22 22	Total		19 19
<i>Junior Year</i>			<i>Senior Year</i>		
P.E.		1 1	P.E.		1 1
P.E.	301-302	1 1	English	401-402	2 2
P.S.	101-102	1 1	English	403-404	1 1
English	309-310	2 2	English	Electives	7 7
English	Electives	5 5	Electives		5 5
Electives		7 7			
Total		17 17	Total		16 16

Note:

The *minimum* requirement for an *Intermediate Single* examination is Eng. 101-102.

An *Intermediate Double* includes English 203-204.

HISTORY-SOCIOLOGY MAJOR COURSES.

Intermediate Examination: Chinese, English, History, Sociology and one elective.

<i>Freshman Year</i>			<i>Sophomore Year</i>		
Chinese	101-102	2 2	English	201-202	2 2
Chinese	103-104	1 1	English	203-204	2 2
English	101-102	3 3	P.E.		1 1
English	103-104	2 2	Philosophy	Elective	3 3
P.E.		2 2	History	Elective	3 3
Sociology	101-102	3 3	Sociology	209	3 3
Economics	101-102	3 3	Sociology	206	3 3
Psychology	103-104	3 3	Electives		5 5
Electives		3 3			
Total		22 22	Total		19 19
<i>Junior Year</i>			<i>Senior Year</i>		
P.E.	301-302	1 1	P.E.		1 1
P.E.		1 1	Sociology	317(318) or	
P.S.	101-102	1 1	Sociology	305(333)	3 3
Economics	203-204	3 3	Sociology	308 or	
Sociology	309	3 3	Sociology	338	3 3
Sociology	301-302	3 3	Sociology	335 or	
Sociology	325	3 3	Sociology	323	3 3
Sociology	332	3 3	Sociology	321-329	2 2
Electives		2 5	Sociology	401-402	2 2
			Electives		5 5
Total		17 17	Total		16 16

ECONOMICS-COMMERCE MAJOR COURSES

Intermediate Examination: Chinese, English, Economics and any other two subjects.

<i>Freshman Year</i>		<i>Sophomore Year</i>	
Chinese	101-102 2 2	P.E.	1 1
Chinese	103-104 1 1	*Chinese Elective	2 2
English	101-102 3 3	English 201-202	2 2
English	103-104 2 2	*English Elective	2 2
P.E.	2 2	Philosophy Elective	3 3
Economics	101-102 3 3	Economics 201-202	3 3
Commerce	101-102 3 3	Sociology Elective	3 3
Sociology	101-102 3 3	Electives	3 3
Electives	3 3		
Total	22 22	Total	19 19

<i>Junior Year</i>		<i>Senior Year</i>	
P.S.	101-102 1 1	P.E.	1 1
P.E.	301-302 1 1	Economics or Com.	
P.E.	1 1	321-322	2 2
Commerce	319-320 3 3	Econ. 203-204	3 3
Commerce	311-312 3 3	Com. 205-206	3 3
Sociology	Elective 3 3	Com. 301-302	3 3
Electives	5 5	Electives	4 4
Total	17 17	Total	16 16

*Unless otherwise permitted by the Department Head.

BIOLOGY MAJOR COURSES

Intermediate Examination: Biology, English, Chinese and two electives.

<i>Freshman Year</i>		<i>Sophomore Year</i>	
Chinese	101-102 2 2	Philosophy Elective	3 3
Chinese	103-104 1 1	P.E. 201-202	1 1
English	101-102 3 3	Biology 103	4
English	103-104 2 2	Biology 203	3
P.E.	2 2	Biology 206	4
Biology	101 5 5	Biology 208	3
Biology	108 5 5	Electives	8 8
Electives	5 5		
Total	23 23	Total	19 19

<i>Junior Year</i>		<i>Senior Year</i>	
P.S.	101-102 1 1	P.E.	1 1
P.E.	301-302 1 1	Biology 311-312	1 1
P.E.	1 1	Biology 401-402	2 2
Biology	303 4	Biology Elective	6 3
Biology	301 3	Electives	6 9
Biology	306 3		
Biology	310 4	Total	16 16
Electives	6 6		
Total	16 16		

CHEMISTRY MAJOR COURSES

Intermediate Examination: Chemistry, English, Chinese, Mathematics, Physics or other elective subjects.

<i>Freshman Year</i>				<i>Sophomore Year</i>			
Chinese	101-102	2	2	Philosophy	Elective	3	3
Chinese	103-104	1	1	P.E.		1	1
English	101-102	3	3	Chemistry	201/204	3	4
English	103-104	2	2	Chemistry	205-206	4	3
P.E.		2	2	Electives		8	8
Chemistry	101-102	4	4				
Math.	101-102 or			Total		19	19
	103-104	3	3				
Physics	101-102	5	5				
Total		22	22				
<i>Junior Year</i>				<i>Senior Year</i>			
P.E.	301-302	1	1	P.E.		1	1
P.E.		1	1	Chem.	337-338	1	1
P.S.		1	1	Chem.	401-402	2	2
Chemistry	301-302	4	5	Chem.	Electives	5	5
Chemistry	305 or 309	4		Electives		7	7
Chem. 310 or (314 & 322)		3	or 5				
Electives		6	6 or 4			16	16
Total		17	17				

PHYSICS MAJOR COURSES

Intermediate Examination: Physics (double), Mathematics (Double), English, Chinese, and one other subject.

<i>Freshman Year</i>				<i>Sophomore Year</i>			
Chinese	101-102	2	2	English	201-202	2	2
Chinese	103-104	1	1	Phil. (elective)		3	3
English	101-102	3	3	Math.	203-204		
English	103-104	2	2		or elective	3	3
P.E.		2	2	Physics	205-206	4	4
Math.	103-104			Physics	211-212	2	2
	or 101-102	3	3	Electives		3	3
Physics	101-102	4	4	P.E.		1	1
Physics	101L-102L	1	1				
*Electives		5	5				
		23	23				
<i>Junior Year</i>				<i>Senior Year</i>			
P.S.	101-102	1	1	P.E.		1	1
P.E.	301-302	1	1	Physics	303-304		
P.E.		1	1		or 315-316	3	3
Math	301-302			Physics	307-308	1	1
	or elective	3	3	Physics	401-402	2	2
Physics	207-208			Electives		9	9
	or 313-314	3	3				
Electives		6	6			16	16
Physics	301-302	2	2				
		17	17				

*Chemistry recommended.

EDUCATION MAJOR COURSES

Each major student must have one or more content subjects which are to be the main teaching subjects of the student after graduation. These are to be selected from the following: Chinese, English, History, Geography, Biology, Chemistry, Physics, Mathematics, Music. According to Government regulations the total must be over 50 credits.

Intermediate Examination: Chinese, English, Education, Psychology and one subject which the student intends to teach.

<i>Freshman Year</i>			<i>Sophomore Year</i>		
Chinese	101-102	2 2	English	201-202	2 2
Chinese	103-104	1 1	Phil.	Elective	3 3
English	101-102	3 3	P.E.		1 1
English	103-104	2 2	Edu.	201-202	3 3
P.E.		2 2	Psy.	203-204	2 2
Edu.	103-104	3 3	*Electives		8 8
Psy.	103-104	3 3			
*Electives		6 6	Total		19 19
Total		22 22			

<i>Junior Year</i>			<i>Senior Year</i>		
P.S.	101-102	1 1	P.E.		1 1
P.E.	301-302	1 1	Edu.	315-316	2 2
P.E.		1 1	Edu.	301-302	3 3
Edu.	323-324	3 3	Edu.	Special	
Edu.	203-204	2 2	Methods of Teaching		2 2
Edu.	325-326	2 2	Edu.	401-402	2 2
*Electives		6 6	*Electives		6 6
Total		16 16	Total		16 16

*All electives must be from the field in which the student intends to teach, or from School of Education Courses.

PSYCHOLOGY MAJOR COURSES

Intermediate Examination: Chinese, English, Psychology and any other two subjects.

<i>Freshman Year</i>			<i>Sophomore Year</i>		
Chinese	101-102	2 2	Phil.	Elective	3 3
Chinese	103-104	1 1	P.E.		1 1
English	101-102	3 3	Psy.	205-206	3 3
English	103-104	2 2	Psy.	Elective	3 3
P.E.		2 2	Electives		9 9
Electives	103-104	3 3			
		9 9	Total		19 19
Total		22 22			

<i>Junior Year</i>			<i>Senior Year</i>		
P.E.	301-302	1 1	P.E.		1 1
P.E.		1 1	Psy.	331-332	2 2
Edu.	323-324	3 3	Psy.	Elective	3 3
Psy.	Elective	3 3	Electives		10 10
P.S.	101-102	1 1			
Electives		8 8	Total		16 16
Total		17 17			

1
6
5
3
0
7
7