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學大中華昌武立私

Hua Chung College

Bulletin

私立武昌中華大學
學刊

Catalog Number

1952-1955

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 1932-1933.



Issued April 10, 1933

Wuchang, Hupeh, China.

Printed by The Religious Tract Society Press, Hankow.

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0751

THE COLLEGE OF ARTS AND SCIENCES

(SCHOOL OF ARTS AND SCIENCES)

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CALENDAR 1933-1934

1933

July 25-28	Tuesday-Friday	Entrance Examinations
Sept. 1	Friday	Term Begins
Sept. 8	Friday	First Faculty Meeting
Sept. 11	Monday	Registration: Old Students
Sept. 12	Tuesday	Registration: New
Sept. 14	Thursday	Classes begin
Oct. 10	Tuesday	National Holiday
Nov. 1	Wednesday	Founders' Day
Nov. 1	Wednesday	Matriculation Day
Nov. 12	Sunday	Sun Chung San's Birth Day Holiday
Dec. 25	Monday	Christmas Day

1934

Jan. 1-3	Monday-Wednesday	New Year Holidays
Jan. 18	Thursday	Winter Vacation begins

WINTER VACATION

Feb. 1	Thursday	Term Begins
Feb. 10	Saturday	Registration
Feb. 12	Monday	Classes begin
Mar. 12	Monday	Anniversary of Sun Chung San's Death; Holiday
Mar. 29	Thursday	Anniversary of the First Martyrs of the Revolution
April 1-8	Sunday-Sunday	Spring Vacation
May 5	Saturday	Revolutionary Memorial Day
June 16	Saturday	Commencement Day

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 (Wesleyan Mission), and Yale (Yale Mission). 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 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.

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 Yangtse river steamer, 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 ten minutes by ricksha.

For people coming down river by train it is best to get off at Tung Shan Men. The distance by ricksha is about thirty minutes. Ricksha men know the place best by the name *Wen Hwa*.

GROUND, BUILDINGS AND EQUIPMENT

Hua Chung College, at the present time, shares a campus of twenty-seven acres, in the heart of Wuchang City, with the Boone Middle School of the American Church Mission. There is also a piece of land, about seven acres, outside the old city wall, adjacent to the main campus, for college playing fields.

The buildings assigned to the college are as follows:

Administration Building, housing the offices, the Department of Chemistry, the School of Education, and four other class rooms;

Ingle Hall, housing the Department of Physics, the Department of Biology, the dining room, the assembly room, and dormitory space for 91 men students;

Poyu Hostel, a dormitory, under the control of the Wesleyan Unit, housing 22 men students;

St. Paul's Divinity School Building, housing the Department of English, the Department of Commerce, two other class rooms, and a chapel. Also, a dormitory with space for 35 men students under the direction of the Wesleyan, London Mission and Reformed Church units.

Yen Hostel, a gift of the family of the late Rev. Y. K. Yen, a women's dormitory, housing 10 students;

Gymnasium, with full-sized basket ball floor, shared with the Boone Middle School;

Boone Library Building, housing the library and Stokes Hall with a seating capacity of 800, together with stage and equipment;

Faculty Residences, eight in number, others being rented off the campus, as required.

The Library contains, at the present time, about 16,280 volumes in Chinese and 30,596 volumes in English.

SCIENCE EQUIPMENT

The Biology Department occupies the whole north wing of Ingle Hall consisting of one class room, three laboratories, three offices, one preparation room two store rooms and an animal room. The class room has a capacity of fifty students while the three laboratories can hold about forty students at the same time. The offices can be used as private laboratories. There are forty microscopes in the Department, twenty of these are for general use and the rest are of much higher magnification and are suitable for advanced or research work. Other facilities such as microtome, incubator, sterilizer, etc., are provided for both teaching and research purposes. Specimens, demonstration material, books, etc., are quite sufficient to carry out undergraduate work.

The Department of Chemistry has at present three fair-sized laboratories and a small one equipped for instruction in general, organic, analytical and physical chemistry. There is also an analytical balance room, a general supply room, a stock room, three offices, and one class room. These occupy the whole of the second floor of the Administration Building.

The Department of Physics is temporarily housed in Ingle Hall, occupying the first two floors of its south wing. The first floor is used as a large laboratory and lecture room, a store room, teacher's office and laboratory, apparatus room, and a machine shop. The second floor is used as a lecture room, advanced laboratory, teacher's offices and private laboratory, dark room, and a storage battery room, a research room, a store room, and a photographic room.

Our equipment, to which substantial increase is being made from year to year, enables us to offer pre-medical courses in physics, as well as courses in radio and advanced laboratory practice. The machine shop is equipped with a high speed precision lathe, a drilling machine, a shaping machine and a grinding machine, with a skilled mechanic in charge. A good many articles in our laboratories, including chemistry and biology, are made in this shop.

The laboratory equipment at the present time is valued at over \$100,000.00 Chinese Currency.

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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 Foreign Missionary Society	3
Wesleyan 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 Mission	3
Wesleyan Methodist Mission	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, 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 deals with all matters of instruction and curriculum.

The dean is chairman and executive officer of the Faculty Meeting.

Hostels

The cooperating 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.

BOARD OF FOUNDERS

RT. REV. J. M. FRANCIS, D.D.
 RT. REV. H. ST. G. TUCKER, D.D.
 HON. PHILIP S. PARKER
 MRS. HARPER SIBLEY
 MR. JOHN S. NEWBOLD
 REV. A. M. SHERMAN, S.T.D.
 DR. JOHN W. WOOD
 REV. ANSON PHELPS STOKES, D.D.
 DR. EDWARD H. HUME
 MR. E. FAY CAMPBELL
 REV. A. R. BARTHOLOMEW, D.D.
 REV. J. M. G. DARMS, D.D.
 REV. W. A. GRIST
 DR. A. W. HOOKER
 MR. F. H. HAWKINS

BOARD OF DIRECTORS

DR. F. C. YEN, M.A., M.D., D.P.H. *Chairman*
 RT. REV. A. A. GILMAN, S.T.D.
 REV. HARVEY F. D. HUANG, D.D.
 RT. REV. D. T. HUNTINGTON, D.D.
 RT. REV. LOGAN H. ROOTS, D.D.
 DR. H. J. SHU, M.A., M.D., D.P.H., D.T.M.H.
 RT. REV. P. LINDEL TSEN, D.D.
 MR. JOHNSON C. Y. LEO
 MR. F. S. HUTCHINS, B.A.
 MR. C. C. LAO, M.SC.
 REV. E. A. BECK, M.A.
 REV. S. S. DJANG
 DR. H. T. CHIANG, M.B., CH.B.
 REV. H. B. RATTENBURY
 MR. Y. T. HU, B.SC.
 MR. CLARENCE L. SENN, B.SC.
 MR. PU HWANG, PH.D.
 MR. ARCHIE T. L. TSEN, B.S.
 HON. H. H. KUNG, I.L.D.
 MR. K. C. WU, PH.D.
 One more to be appointed by Founders

ADMINISTRATIVE OFFICERS

FRANCIS C. M. WEI, PH.D., HON. D.C.L., *President of the College; Dean of the School of Arts.*
 JOHN L. COE, M.A., *Treasurer.*
 PAUL V. TAYLOR, PH.D., *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; Chairman of Admissions Committee.*
 SAMUEL T. Y. SENG, B.S., *Librarian.*
 MARY T. H. KWEI, M.A., *Dean of Women.*
 ALICE FRANCES KEMP, *Superintendent of Grounds.*

PAUL Y. L. WU, B.A. *Secretary to the President.*
 FRANCIS J. T. WANG, *Chinese Secretary.*
 EDWARD G. T. DOE, *Assistant to the Registrar.*
 FRANK T. C. LI, *Assistant Librarian.*

THE SENATE

PRESIDENT FRANCIS C. M. WEI, *Chairman.*
 MISS MARGARET BLEAKLEY, *Secretary.*
 MR. J. L. COE, *Treasurer of the College*
 DR. T. G. DJANG
 RT. REV. A. A. GILMAN, S.T.D.
 DEAN PAUL C. T. KWEI
 DEAN MARY T. H. KWEI
 DEAN PAUL V. TAYLOR
 DEAN P'U HWANG
 REV. GEORGE R. OSBORN
 REV. L. CONSTANTINE

HOSTEL HEADS

YEN HOSTEL ; MISS MARY T. H. KWEI, M.A., *Dean of Women.*
 BOONE HOSTEL ; THE RT. REV. A. A. GILMAN, S.T.D.
 POYU HOSTEL AND
 ST. PAUL'S HOSTEL ; REV. L. CONSTANTINE

FACULTY OF INSTRUCTION

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.
 DAVID FYFE ANDERSON, *Secretary of the Faculty; Lecturer in Education.*
 M.A., B.Ed., Edinburgh.
 HELEN ANDERSON, *Instructor in English.*
 Teacher's Diploma, Edinburgh Training College.
 RICHARD PENG BIEN, *Assistant Professor of Physics.*
 B.S., Brown.
 MARGARET BLEAKLEY, *Registrar; Professor of English Literature.*
 B.A., B.A. (Classics Honors), M.A. Manchester; Diploma in Education, Cantab.
 ARTHUR S. Y. CHEN, *Lecturer in Sociology.*
 B.A., St. John's; M.A., Chicago.
 BEH K'ANG CH'EN, *Assistant Professor of Biology.*
 B.S., Shanghai; M.S., Ph.D., Chicago.
 KUO-CHIEH CH'EN, *Instructor in Biology.*
 B.S., M.S., Yenching.
 JOHN LESLIE COE, *Treasurer; Lecturer in Mathematics.*
 B.A., Hamilton; M.A., Michigan.
 LEONARD CONSTANTINE, *Instructor in History.*
 B.A., Manchester; B.A. (Honors) Cantab.
 TSE-GUNG DJANG, *Professor of Chemistry.*
 B.S., Shanghai; Ph.D., Johns Hopkins.
 PHILLIP MARCUS FISK, *Assistant Professor of Chemistry.*
 B.S., B.S. (Honors), Ph.D., London.
 SHI-CHING HO, *Assistant Professor of Commerce.*
 B.A., Illinois.
 FU-CHUN HSU, *Instructor in Biology.*
 B.S., Shanghai.
 P'U HWANG, *Professor of Education.*
 B.A., Yale-in-China; B.A., M.A., Stanford; Ph. D., Columbia.
 MARY TEH-HWA KWEI, *Dean of Women.*
 B.A., Boone; M.A., North Carolina.
 PAUL CHI-TING KWEI, *Dean of the School of Science; Professor of Physics.*
 B.A., Yale; M.S. Cornell; Ph.D., Princeton.
 CHI HWA LAO, *Assistant in Chemistry.*
 B.S., National Central.

- *LUCY FISH MILLER, *Lecturer in English Literature.*
B.A., Mt. Holyoke.
- LU-PING PAO, *Lecturer in Chinese Literature.* ✓
B.A., National Peking.
- HSI YIN SHENG, *Assistant in Physics.*
B.S., Yenching.
- CHIA CHUNG SHIH, *Instructor in Chemistry.*
B.S., Tsing Hua.
- *KEET-YE SIAO, *Instructor in Chemistry.*
B.S., National Central.
- *SIDNEY DJI-TI SIAO, *Instructor in Biology.*
B.S., Shanghai.
- SAM SKÖLD, *Lecturer in Modern Languages.*
Phil. Cand., Phil. Mag., Upsala.
- SHIEH-CHIN T'AO, *Instructor in Physics.*
B.A., Yale-in-China; M.S., Yenching.
- FRIEDA FUEHRER TAYLOR, *Instructor in Piano.*
Diploma in Music, Schaykill.
- 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.
- SHANG-SZE TS'AI, *Lecturer in Chinese Literature.*
Graduate, Peking Research Institute.
- EUGENE A. TURNER, *Lecturer in English.*
B.A., M.A., LL.B., Wakeforest.
- JAMES THOMAS WATKINS, *Instructor in Political Science.*
B.A., Stanford.
- CHARLES FRANCIS WHISTON, *Lecturer in Philosophy & Religion.*
B.A., Trinity; M.A., Harvard; B.D. Episcopal Theolo-
gical School, Cambridge, Mass.

Part Time Teachers

- ROBERT ALEXANDER KEMP, *Mechanical Drawing.*
B.Sc., McGill; M.A., Columbia.
- TSO TU HWANG, *Instructor in Political Science.*
Graduate, National Wuchang University.
- MING AN CHOW, *Military Training*
Graduate, National Peking Military Academy.
- IRENE FISK, *Voice.*
Graduate, Metropolitan Academy of Music, London.

*ON LEAVE OF ABSENCE.

STANDING COMMITTEES

Admissions

Miss Margaret Bleakley (Chairman), Dr. F. C. M. Wei, Mr. D. F. Anderson, Paul C. T. Kwei, the Dean, Dr. T. G. Djang, Dr. P'u Hwang.

Degrees

Dr. F. C. M. Wei (Chairman), Miss Margaret Bleakley, Dr. Paul C. T. Kwei, The Dean.

Curriculum

The Dean (Chairman), Dr. T. G. Djang, Mr. S. C. Ho, Mr. L. P. Pao, Mr. D. F. Anderson, Dr. F. C. M. Wei.

Extension Service

Mr. C. F. Whiston, (Chairman), Dr. P. V. Taylor, Mr. J. L. Coe, Dr. F. C. M. Wei.

Finance

The president, the treasurer, the dean of faculty, the dean of the School of Science, the dean of the School of Education, and Miss M. Bleakley, representative of the School of Arts.

Intermediate Examinations

Dr. P. V. Taylor (Chairman), Mr. D. F. Anderson, Mr. K. C. Ch'en, Mr. L. P. Pao, Mr. L. Constantine, Mr. S. C. Tao.

Library

Rt. Rev. A. A. Gilman (Chairman), Mr. Samuel T. Y. Seng, Dr. F. C. M. Wei, Dr. Paul V. Taylor, Dr. Paul C. T. Kwei, Mr. Leonard Constantine.

Self-help

Mr. J. T. Watkins (Chairman), Mr. J. L. Coe, Mrs. E. P. Miller, Jr., Mrs. R. A. Kemp, Mr. E. A. Turner, Mr. A. S. Y. Ch'en.

Social

Mr. J. T. Watkins (Chairman), Mrs. T. G. Djang, Mrs. C. T. Kwei, Mrs. C. F. Whiston, Miss M. Bleakley, Mr. A. S. Y. Ch'en, Mr. E. A. Turner, Mrs. P. V. Taylor.

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ADMISSION

All applications for admission should be made to the REGISTRAR OF HUA CHUNG COLLEGE.

Admission to College is granted on the basis of Character and Scholarship.

The following conditions must be fulfilled before a student can be admitted :

- 1) The applicant must present a certificate showing that he is a graduate of a registered Senior Middle School.
- 2) An application form is provided by the College. This must be secured from the Registrar, must be properly filled out and signed by the authorities of the school which the applicant has last attended, and must have a signed photograph of the applicant attached. An unattached photograph, about four inches square must also accompany the application.
- 3) An examination permit must be obtained from the Registrar at least one week before the date set for Entrance examinations. This permit costs two dollars, and is given to those students only whose records have been found satisfactory. The fee and photographs will not be returned to the student, whether his examination is satisfactory or otherwise.
- 4) The applicant is required to procure a guarantor, resident in the Wuhan center, who shall assume responsibility for the student's conduct and financial obligations.
- 5) The applicant must satisfactorily pass the Entrance examinations. (See under *Examinations*)

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.

Recommended students from accredited affiliated schools are required to take examinations in *English*, and *Chinese* (See under *Accredited Senior Middle School*).

Students from non-accredited schools, and non-recommended students from accredited schools 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 will 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 by the Admissions committee 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 six subjects, *two of which shall have been studied for a minimum of 12 Credit Hours, and four of which shall have been studied for a minimum of 6 Credit Hours. In all cases

*Beginning with the examinations of June 1934 this reduced to five.

the examination covers the total amount of work which the student has had in the course.

The examinations are based upon a syllabus of each course. The syllabus of each course may be obtained from the Dean's office.

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 examination he must have completed at least four semesters of Freshmans and Sophomore years college work, and all his grades must be in the hands of the Registrar.

An average grade of *D plus* 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 a 6 Credit Hour subject, and still maintains an average grade of *D plus* 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 courses, 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, 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 54 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 must have maintained a *D plus* grade in each course of his Major.

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* is required in each subject and an average grade of *D plus*, in the final examinations.

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

ACCREDITED 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.

It is the privilege of accredited schools to recommend those students in whom they have confidence as to their ability to do college work, to enter Hua Chung College upon their successfully passing examinations in Chinese, and English.

It is understood that if 25 percent of the students recommended by the principal of a Senior Middle School should fail in their first year of college work, for two successive years, the faculty of the College has the privilege of reconsidering the standing of the school.

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

Baldwin School for Girls,	Nanchang, Kiangsi.
Boone School, Boys,	Wuchang, Hupeh.
Fuh Siang Girls School,	Changsha, Hunan.
Huping Private Middle School, Boys,	Yochow, Hunan.
Hwei Wen Girls School,	Nanking, Ku.
Nanchang Academy, Boys,	Nanchang, Kiangsi.
P'ui Ching (Boys)	Canton, Kwang.

Rulison Girls High School,
St. Hilda's School for Girls,
Swatow Academy,
Wesley Middle School, Boys,
Willaim Nast Academy, Boys,
Yali Union Middle School, Boys,

Kiukiang, Kiangsi.
Wuchang, Hupeh.
Swatow, Kwang.
Wuchang, Hupeh.
Kiukiang, Kiangsi.
Changsha, Hunan.

FEES AND EXPENSES.

The school year is divided into two semesters.

	Semester	Year
Tuition	\$ 30.00	\$ 60 00
Hostel Service & Light	18.00	36.00
Boarding	32.00	64.00
Library	5.00	10.00
Athletics	2.00	4.00
Incidentals	15.00	30.00
Biology Laboratory, per course	4.00	8.00
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, add ... ..	.50 N.B. 1	
Late Arrival, first day,	2.00	
each successive day, add ... ..	.50 N.B. 2	
English Book Rental	2.00 N.B. 3	
Education Book Rental, per course	2.00	4.00
Piano Instruction	15.00	
Piano Rental	5.00	
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.

SCHOLARSHIPS

Hua Chung College has a limited number of scholarships at its disposal for students qualified to receive such aid. These

scholarships are for tuition only. Those who desire to become participants of scholarship aid should consult with the president of the college.

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 faculty self-help committee. Two conditions, however, 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, offers three degrees, Bachelor of Arts, Bachelor of Education and Bachelor of Science, 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:

*Exclusive of Party Principles and Military Training.

- a) A minimum of 72 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. The presentation of an acceptable thesis, in accordance with Government requirements.
6. Successful passing of both Intermediate and Final Examinations. (See under *Examinations*).
7. 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:—

School	Department	Major	Minor
Arts	Chinese	44	24
	Commere-Economics	42	18
	English	47	24
	Philosophy	—	22
	Social Sciences	42	18
	Music	—	18
Science	Biology	40	22
	Chemistry	50	24
	Mathematics	—	24
	Physics	36	18
Education	Administration	42	22
	Pedagogy	40	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, and an examination in the subject studied.

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 $1\frac{1}{2}$ Quality Credits, for each Credit Hour, in order to graduate.

GRADES

Students receive grades for the work completed at the end of each semester. Grades are interpreted as follows:

Grade	Description	Quality Credits per Credit Hour
A	Excellent,	4
B	Very Good,	3
C	Good,	2
D +	Fair,	$1\frac{1}{2}$
D	Pass,	1
E	Conditioned,	0
F	Failure.	0

An average grade of D plus is required for Degree standing.

A student who receives an **E** is allowed to carry on in the course, but it is the lowest grade which may be given. The work is not regarded as satisfactory.

A student who receives an **F** is required to repeat the course, if it is a required course; if it is an elective course, he may be allowed to substitute another course for it, upon the advice of the Dean and the instructors concerned. If a student receives an **F** in the first term of a year course he may not continue the course.

A student who fails to get more than half as many quality credits, in any one term, as he has registered credit Hours is automatically dropped from the College, and is allowed to resume his studies only with the special permission of the Faculty.

PROBATION

A student who fails to get a grade of **D** or better in at least two thirds of the hours of work for which he is registered is placed on probation for the following term.

A student *on probation* who fails to get a grade of **D** or better in two-thirds of the hours of work for which he is registered is automatically dropped from the College.

ONE YEAR CERTIFICATE IN EDUCATION FOR MIDDLE SCHOOL TEACHERS

The School of Education grants a special certificate, apart from the regular College diploma, for a full year's course done in the School of Education.

This course is open to Middle School teachers only, and on the following conditions:

- 1) They must be teachers at the time of registering.
- 2) They must have had at least two years teaching experience.
- 3) They must be graduates of a recognized Senior Middle school.
- 4) A minimum of thirty Credit Hours of work is required for the certificate.
- 5) The work must be completed within three years from the time of registration.

The residence requirement of the College does not apply to such teachers.

Special classes are organized for groups of teachers when the demand warrants.

The cost of the course is \$3.00 per credit hour, and \$5.00 Library fee.

COURSES OF INSTRUCTION

CHINESE

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.

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- 205-206 Selected Verse 歷代詩選**
4 credits.
Lecture and recitation: 2 hours.
A critical study of selected writings from antiquity down 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 Selected 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 Literary 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: 2 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 Languages 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 中國詩史**
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 decade.
- 323-324. Philosophy from the Sung to the Ch'ing Dynasties. 四朝學案**
4 credits.
Lecture and recitation: 2 hours.

ENGLISH

- 101-102 Freshman Composition**
4 credits.
Lecture and recitation: 2 hours.
A general course. Text-book: Smart's Handbook of Effective writing.
- 103-104 Freshman Literature**
4 credits.
Lecture and recitation: 2 hours.
A study of some modern short stories, of one novel, of one modern play, and of some poetry.
- 201-202 Sophomore Composition**
4 credits.
Lecture and recitation: 2 hours.
A course aiming to cultivate the use of English as a tool.
- 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 English Literary History of the Eighteenth Century**
3 credits.
Lecture and recitation: 3 hours.
A study of the chief works of the nineteenth Century, with special emphasis on the various authors' contributions to literature.
- 209-210 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.
- 211-212 Modern Drama**
4 credits.
Lecture and recitation: 2 hours.
A study of some plays, and the function of drama in modern times.

- 213-214 Shakespeare**
4 credits.
Lecture and recitation: 2 hours.
A general study of Shakespeare, with reference also to the origin of drama.
- 216 Modern Short Stories**
3 credits. Open to Majors and Minors.
Lecture and recitation: 3 hours.
A study of short story technique, and the reading of stories selected from the literature of different countries. Will be accepted as second semester work after English 207.
- 301-202 English Prose of the Last Century.**
6 credits.
Lecture and recitation: 3 hours.
A study of some of the more important of the prose writers, with emphasis on their relationship to the social, intellectual and religious movements of their time.
- 303-304 English Poetry of the Last Century**
6 credits.
Lecture and recitation: 3 hours.
A study of the more important poets, with emphasis on their relationship to the social, intellectual and religious movements of their time.
- 305 Literary Criticism**
3 credits.
Lecture and recitation: 3 hours.
A study of the growth of English criticism, with detailed reading of several critical essays, and the mastery of the principles of criticism.
- 307-308 A Detailed Study of One Modern Writer**
4 credits.
Seminar
The mastery of the works of one writer, a critical study of his works, and the presentation of a piece of thoughtful criticism, as a thesis.

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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**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.

201-202 History of China

4 credits.
Lecture and recitation: 2 hours.
Rise and development of Chinese social and political institutions.

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 201-202.

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.

313-314 History of Christianity

6 credits.
Lecture and recitation: 3 hours.
Prerequisite: 101-102.
Origin and development; position in the Mediaeval world; Reformation and Counter-Reformation; contribution to world culture.

315-316 History of International Relations in the Far East

6 credits.
Lecture and recitation: 3 hours.
Relations of the West with China, Japan, Indo-China and the Philippines since the middle of the nineteenth century.

317 Introduction to Historical Criticism

3 credits.
Lecture and recitation: 3 hours.
Study of kinds of history; examples of historical method; application of the historical method to a short period of Western History.

323-324 Current History

6 credits.
Lecture and recitation: 3 hours.
Prerequisites: Pol. Sci. 105-106, Hist. 101-102.
National and international developments of the present day studied against a background of post-war history.

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 Elements of Political Science

6 credits.

Lecture and recitation : 3 hours.

Fundamental political conceptions ; an introduction to the whole subject of politics, divided for purpose of study, into two parts, the state and government.

105-106 International Relations

6 credits.

Lecture and recitation : 3 hours.

A survey of the forces, elements and problems of international relations, and the machinery of international cooperation.

201-202 Comparative Government

6 credits.

Lecture and recitation : 3 hours.

Prerequisites : P. S. 103-104.

The principal systems of government as they have been developed in Great Britain and the Dominions, France, Japan, the United States, Switzerland, Germany, Italy and the U.S.S.R.

203-204 International Organization

6 credits.

Lecture and recitation : 3 hours.

Prerequisite : P. S. 105-106.

The League of Nations : its history organization, working, and affiliated international bodies.

205-206 History of Political Theories

6 credits.

Lecture and recitation : 3 hours.

Prerequisite : P. S. 103-104.

The development of political thought from ancient times to the present.

207-208 Municipal Government

6 credits.

Lecture and recitation : 3 hours.

Prerequisite : P. S. 103-104.

Principles and methods by which the modern city is governed.

209-210 History of Chinese Political Ideas

3 credits.

Lecture and recitation : 3 hours.

A survey of the growth and development of political ideas in China. Emphasis on source materials.

301 Political Parties

3 credits.

Lecture and recitation : 3 hours.

Prerequisite : P. S. 103-104.

Development, organizations and activities of parties in constitutional governments ; comparison with the party dictatorships of China, Italy and the U.S.S.R.

303-304 Introduction to International Law

6 credits. Open only to Seniors.

Lecture and recitation : 3 hours.

Prerequisite : P. S. 103-104, 105-106.

Principles and development of international law with special emphasis on the laws of peace.

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SOCIOLOGY**201-202 Introductory Sociology**

6 credits.

Lecture and recitation : 3 hours.

Various factors of social living : geographical, biological, psychological, cultural. Society and its institutions, organization and evolution.

301-302 Cultural Anthropology

6 credits.

Lecture and recitation : 3 hours.

Fossil and prehistoric man ; race and race problems ; language ; growth and spread of culture ; primitive society.

303-304 Social Problems

6 credits.

Lecture and recitation : 3 hours.

An introductory study of some Chinese social problems, including the family, industry, health, education, crime, opium. Facts and resources to cope with these problems.

305-306 Social Evolution and Social Organization

6 credits.

Lecture and recitation : 3 hours.

A study of the dynamics, factors and processes of social evolution, with a comparative historical study of social institutions. Second term, emphasis on the family.

308 Social Philosophy

3 Credits.

Lecture and recitation : 3 hours.

Prerequisite : Sociology 201-202.

A course designed to give students of social science a foundation on which they may formulate their own social and political theories. Four representative works are studied : Plato, *The Republic* ; Rousseau, *Social Contract* ; Mill, *Liberty* ; Hobhouse, *Elements of Social Justice*.

309 Social Psychology

Identical with Psychology 309

311-312 Western Culture in the Development of Languages and Literature.

4 credits.

Lecture and recitation : 2 hours.

A study of the most important languages and their relationships ; writers in the different national literatures, with emphasis on cultural relationships.

313-314 Educational Sociology

(Pedagogy).

318 Rural Sociology

2 credits.

Lecture and recitation : 2 hours.

A study of the fundamental principles of rural social development, including an analysis of rural social condition and problems.

321-322 Seminar in Sociology

Hours and credits to be arranged.

Personal investigation of assigned problems under guidance of the Department.

325 Methods of Social Investigation

2 credits

Lecture and recitation : 1 hour.

Field work : 2 hours.

331-332 Thesis Seminar

4 credits.

Hours arranged.

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ECONOMICS**101-102 Elementary Economics**

6 credits Required

Lecture and recitation: 3 hours.

A study of the principles underlying business activity and their application to the problems of banking, finance, labor, and public utilities.

201-202 Money and Banking

6 credits. Required.

Lecture and recitation: 3 hours.

Prerequisite: Economics 101-102.

An intensive study of the fundamental principles of money, currency, banking and credits.

301-302 Public Finance

6 credits.

Lecture and recitation: 3 hours.

Pre-requisite: Economics 201-202.

A general survey of public expenditures, public revenue and financial administration.

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 to be determined.

Lecture and conference to be arranged.

Prerequisite: Economics 303-304.

COMMERCE**201-202 Elementary Statistics**

6 credits.

Lecture and recitation: 3 hours.

Laboratory: I period of 3 hours.

Prerequisite: Math. 101-102, or its equivalent.

Identical with Math. 105-106.

301 Business Finance

3 credits.

Lecture and recitation: 3 hours.

Prerequisite: Economics 201-202.

The principles governing organization and promotion; financing and capitalization; financial relationships of the corporate form of business enterprise.

302 Financial Organizations

3 credits.

Lecture and recitations: 3 hours.

Prerequisite: Commerce 301.

A comprehensive study of the organization and operation of the Chinese financial institutions.

303-304 Principles of Accounting

6 credits.

Lecture and recitation: 2 hours.

Laboratory: I 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.

305 Business Administration

3 credits.

Lecture and recitation: 3 hours

A general survey of business organization and the method of administration of a business as a whole. The function of different departments and their mutual relationships.

306 Industrial Management

3 credits

Lecture and recitation: 3 hours

Prerequisite: Commerce 305.

A study of the scientific organization and management of industrial enterprises.

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ECONOMICS**101-102 Elementary Economics**

6 credits Required

Lecture and recitation : 3 hours.

A study of the principles underlying business activity and their application to the problems of banking, finance, labor, and public utilities.

201-202 Money and Banking

6 credits. Required.

Lecture and recitation : 3 hours.

Prerequisite : Economics 101-102.

An intensive study of the fundamental principles of money, currency, banking and credits.

301-302 Public Finance

6 credits.

Lecture and recitation : 3 hours.

Pre-requisite : Economics 201-202.

A general survey of public expenditures, public revenue and financial administration.

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 to be determined.

Lecture and conference to be arranged.

Prerequisite : Economics 303-304.

COMMERCE**201-202 Elementary Statistics**

6 credits.

Lecture and recitation : 3 hours.

Laboratory : I period of 3 hours.

Prerequisite : Math. 101-102, or its equivalent.

Identical with Math. 105-106.

301 Business Finance

3 credits.

Lecture and recitation : 3 hours.

Prerequisite : Economics 201-202.

The principles governing organization and promotion ; financing and capitalization ; financial relationships of the corporate form of business enterprise.

302 Financial Organizations

3 credits.

Lecture and recitations : 3 hours.

Prerequisite : Commerce 301.

A comprehensive study of the organization and operation of the Chinese financial institutions.

303-304 Principles of Accounting

6 credits.

Lecture and recitation : 2 hours.

Laboratory : I 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.

305 Business Administration

3 credits.

Lecture and recitation : 3 hours

A general survey of business organization and the method of administration of a business as a whole. The function of different departments and their mutual relationships.

306 Industrial Management

3 credits

Lecture and recitation : 3 hours

Prerequisite : Commerce 305.

A study of the scientific organization and management of industrial enterprises.

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311-312 Commercial Law

6 credits.
Lecture and recitation : 3 hours
A general study of laws on contracts, agency, corporation, negotiable papers.

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 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.

320 Foreign Trade of China

3 credits.
Lecture and recitation : 3 hours.
Prerequisite : Commerce 317.
Principles and practice employed in foreign commerce with special attention to the exports and imports of China.

321-322 Seminar in Commerce

323-324
Credits to be determined
Lecture and conference to be arranged.
Prerequisite : Students must secure consent of the Department.

PHILOSOPHY**201 Introduction to the Study of Religion**

3 credits.
Lecture and recitation : 3 hours.
A study of the nature of religion and religious knowledge, the meaning and validity of such religious ideas as God, purpose, personality, value, freedom, immortality. Religious, scientific, and other world-views.

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 : 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.

210 Social Teachings of Jesus

3 credits.
Lecture and recitation : 3 hours.
A study of the social implication of Jesus' teachings, and their application to present day problems.

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.

214 An Introductory Study to the Bible

3 credits.
Lecture and recitation : 3 hours.
The Bible, its formation, historical background, contents and religious value, from a modern critical point of view.

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- 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 Ethical 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 the 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 readings 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.

- 313 Outline of Christian Doctrines**
3 credits.
Lecture and recitation : 3 hours.
The nature and origin of Christian faith, its relation to the church and the Bible, and its historic foundation.
The expression of the Faith in present day thought and present day terms.
- 316 The Historical Development of Religion**
3 credits.
Lecture and recitation : 3 hours.
Tracing the rise and development of religion in the various stages of civilization.
- MUSIC**
- 91-92 Piano: Grade I**
No credits. Not offered in 1933-1934.
Recitation : 1 hour.
Practice : 6 hours.
Elementary exercises ; selected duets and studids.
- 93-94 Piano: Grade II**
No credits. Private recitations.
Recitation : 1 hour.
Practice : 6 hours.
Major and minor scales ; selected studies from Czerny—Liebling, Loeschorn, Burgemueller ; simple pieces and hymns.
- 95-96 Piano: Grade III**
No credits. Private recitations.
Recitation : 1 hour.
Practice : 6 hours.
Scales and arpeggios in various forms ; studies from Czerny-Liebling, Loeschorn, Burgemueller, Heller (Op. 47), Czerny (Op. 299), Hanon, Suitable pieces and hymns.
- 97 or 98 Elementary Sight Singing**
No credits. Prerequisite for Voice Training.
Recitation : 1 hour.
Training in reading the staff, sol fa, rhythm, ear and keeping parts.

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101-102 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, Hanon, Bach's Little Preludes and lighter compositions, Sight Reading; suitable pieces.

103-104 Piano: Grade V

6 credits. Private recitations.

Recitation: 1 hour.

Practice: 6 hours.

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

105-106 Piano: Grade VI

6 credits. Private recitations.

Recitation: 1 hour.

Practice: 6 hours.

Advanced technical studies; classical and modern compositions.

107-108 Piano: Grade VII

8 credits. Private and class recitations.

Recitation: 1 hour.

Practice: 6 hours, minimum.

Studies from Bach, Liszt, Chopin and other classical and modern composers. Symphony studies.

109-110 History and Appreciation of Music

2 credits.

Lecture and recitation: 1 hour.

Development of musical instruments, forms of composition, forms of notation; biographical and interpretative sketch of the life and work of the more important composers.

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: $\frac{1}{2}$ hour. Private lessons.

Prerequisite: Music 97,98, or equivalent.

Placing, improvement and development of voice; singing of vocal exercises, studies, songs and recitatives; time and tune tests; sight reading.

121-122**123-124 Band Instrumentation and Conducting**

Credits and hours arranged.

125-126 Public School Music

4 credits.

Lecture and recitation: 1 hour.

Prerequisite: Completion of Grade 4 Piano.

A course of preparation both theoretical and practical for teachers of singing in schools, including methods of aural and rhythmic training, sight-reading, selection, interpretation and accompaniment of unison and part-songs.

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.

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SCHOOL OF SCIENCE

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. Discussions 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 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.
- 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.
- 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.

313-314 Special Problem

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

315 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 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 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.

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 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.

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.

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.

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CHEMISTRY

- 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.
- 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 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 and aliphatic aromatic compounds, and their identification.
- 303-304 Physical Chemistry (Advanced: 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.

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- 305 Advanced Quantitative Analysis**
4 credits.
Lecture and recitation: 1 hours.
Laboratory: 3 periods of 3 hours each.
Prerequisite: Chem. 201 or 204.
Instrumental methods: gas analysis, photochemical analysis etc. Or special methods: the use of titanous chloride, iodates, perchlorates etc. as standards.
- 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 and complex compounds.
Laboratory, work: preparing more complex inorganic substances.
- 310 Advanced Organic Chemistry**
5 credits.
Lecture and recitation: 3 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(2) 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 Organic 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.
- 318 Thermodynamics**
3 credits.
Lecture and recitation: 2 hours for 1 year, or 3 hours for 1 semester.
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.
- 320 Electrochemistry**
4 credits.
Lecture and recitation: 3 hours.
Laboratory: 1 period of 4 hours.
Prerequisites: Chem. 303-304.
This course consists of discussions of the theory of E. M. F. measurements, and its bearing upon the modern theories of ionization and its other applications, polarization, etc. Subject material will be based upon Creighton's Electrochemistry, and Text-book of Electrochemistry by Le Blanc.

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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.

331-332 Research

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.

335 Literature of Chemistry

2 credits.

Lecture and recitation : 2 hours.

338 Seminar

Hours and credits to be arranged.

339 Journal Reports.

Hours and credits to be arranged.

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.

PHYSICS**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.

201 Radio Communication

4 credits.

Lecture and recitation : 3 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.

202 Modern Physics

4 credits.

Lecture and recitation : 4 hours.

Prerequisites : Calculus, Physics 101-102.

A study of advances in experimental physics, namely ; the measurement of electronic charge, conduction of electricity through gases, photo-electricity, X-rays, optical spectra, thermionic emissions, and radio-activity.

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203-204 Advanced Electricity and Magnetism

6 credits.

Lecture and recitation : 3 hours.

Laboratory : Periods arranged.

Prerequisite : Physics 101-102.

Magnetism, electrostatics, electrokinetics, electromagnetic radiation, and the electron theory of matter.

205-206 Theoretical Mechanics

6 credits.

Lecture and recitation : 3 hours.

Prerequisites : Calculus ; Physics 101-102.

An advanced 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

6 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.

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.

A continuation of Physics 211-212. Experiments are mostly on electrical and optical measurements.

303-304 Introduction to Theoretical Physics

6 credits.

Lectures and recitations : 3 hours.

Prerequisites : Calculus ; at least two courses of Physics, numbered from 201 to 208 inclusive.

Calculus will be freely used. The study will include vectors, theory of potential, electromagnetic field and light, kinetic theory and thermodynamics, special and general theory of relativity. The subject material will be based largely upon the two volumes by Arthur Haas.

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.

309-310 Thesis

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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203-204 Advanced Electricity and Magnetism

6 credits.
Lecture and recitation: 3 hours.
Laboratory: Periods arranged.
Prerequisite: Physics 101-102.
Magnetism, electrostatics, electrokinetics, electromagnetic radiation, and the electron theory of matter.

205-206 Theoretical Mechanics

6 credits.
Lecture and recitation: 3 hours.
Prerequisites: Calculus; Physics 101-102.
An advanced 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

6 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.

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.
A continuation of Physics 211-212. Experiments are mostly on electrical and optical measurements.

303-304 Introduction to Theoretical Physics

6 credits.
Lectures and recitations: 3 hours.
Prerequisites: Calculus; at least two courses of Physics, numbered from 201 to 208 inclusive.
Calculus will be freely used. The study will include vectors, theory of potential, electromagnetic field and light, kinetic theory and thermodynamics, special and general theory of relativity. The subject material will be based largely upon the two volumes by Arthur Haas.

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.

309-310 Thesis

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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MATHEMATICS**101-102 First Year Mathematics**

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 Second Year Mathematics

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

Lecture and recitation: 3 hours.

Includes the solution of cubics and quadrics.

203-204 Advanced Calculus

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.

205-206 Fourier's Series and Harmonic Analysis

6 credits.

Lecture and recitation: 3 hours.

207 Projective Geometry

3 credits.

Lecture and recitation: 3 hours.

208 Vector Analysis

3 credits.

Lecture and recitation: 3 hours.

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SCHOOL OF EDUCATION

PEDAGOGY.

- 101-102 Principles of Education**
6 credits. (Not Offered in 1933-1934).
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**
4 credits.
Lecture and recitation: 1 hour.
Laboratory: 3 hours.
An introduction to the problems and technique of classroom teaching through directed observation and practical 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 A Teachers Course in 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.
Laboratory: 3 hours.
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.

307-308 Methods of Teaching Specified Subjects

1 credit per term per subject.

Pro-seminar: 1 hour.

A detailed study of the methods of teaching peculiar to the subject or subjects which the student is preparing to teach.

***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.

*This course follows Administration 301.

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ADMINISTRATION

- 301 **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.
- 303-304 **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.
- 305-306 **Secondary School Administration and Supervision**
4 credits.
Lecture and recitation : 2 hours.
The problems and methods of supervising middle schools.
- 307-308 **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.
- 309-310 **Educational Administration and Supervision**
4 credits.
Lecture and recitation : 2 hours.
Organisation, management, support and control of public schools.
- 311 **Rural School Administration**
2 credits.
Lecture and recitation : 2 hours.
A study of the particular problems of administration in rural schools.
- 313 **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.
- 315-316 **Elementary Statistics**
6 credits.
Lecture and recitation : 3 hours.
Prerequisite : Algebra, geometry.
Identical with Mathematics 105-106.

PSYCHOLOGY

- 201-202 **General Psychology**
6 credits.
Lecture and recitation : 2 hours.
Laboratory : 1 period of 3 hours.
A general survey of the field of Psychology, preparing the ground for work in Educational Psychology.
- 301-302 **Psychology of Education**
4 credits.
Lecture and recitation : 2 hours.
A study of capacities, tendencies and native responses in relation to the teaching process, with a detailed study of the learning process.
- 303-304 **Character Education**
4 credits.
Lecture and recitation : 2 hours.
A study of the basis, traits, and development of character, from the view-point of individual psychology. Environmental factors, such as, the religious, social, economic, and geographic.
- 305 **Mental Hygiene**
2 credits. (Not offered in 1933-1934).
Lecture and recitation : 2 hours.
Abnormal psychology; diagnosis, and principles and methods of treatment.
- 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 **Social Psychology**
3 credits.
Lecture and recitation : 3 hours.
Prerequisite : General Psychology.
A psychological study of the relations of the individual and the group; the group mind; group consciousness; group action.

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PHYSICAL EDUCATION

101-102 Military Training

4 credits.
Lecture and recitation : 1 hour.
Drill. 2 periods : hours arranged.
First year college work in military training, in accordance with governmental requirements.

103-104 First Aid

2 credits.
Lecture and field work : 2 periods.
Designed for women students as a substitute for military training. Technique of bandaging and treating wounds; the use of antiseptics and the sterilization of instruments.

201-202 Military Training

4 credits.
Lecture, recitation and practice : 2 periods.
More advanced work. Emphasis on tactics.

203-204 Advanced First Aid

2 credits.
Lecture and practice : 2 periods.
Designed for women students as a substitute for military training.

301-302 Hygiene

2 credits.
Lecture and recitation : 1 hour.
General Hygiene from the standpoint of health and physical fitness, with special adaptations to the needs of Chinese life, emphasising control and preventing of epidemic diseases.

303-304 Field and Gymnasium Work

2 credits.
Lecture and practical work : 2 periods.
Instruction in indoor and outdoor games. Exercises to develop physical fitness. Rules, regulations and methods of developing form and skill in the various sports.

305-306 Field and Gymnasium Work

2 credits.
Lecture and practical work : 2 periods.
Continuation of course 303-304, with higher standards and more intensive work.

CHINESE MAJOR COURSES.

Minor: Any School of Art or School of Education subject.

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

Freshman Year				Sophomore Year			
Chinese	101-102	2	2	Chinese	109-110	3	3
Chinese	103-104	1	1	Chinese	105-106	2	2
English	101-102	2	2	English	201-202	2	2
English	103-104	2	2	English	203-204	2	2
*P. E.	101-102	2	2	Phil.	Elective	3	3
P. S.	101-102	1	1	P. E.	201-202	1	1
History	101-102	3	3	Elective		6	6
Electives		9	9				
		<hr/>				<hr/>	
Total		22	22	Total		19	19
Junior Year				Senior Year			
P. E.	301-302	1	1	P. E.	307-308	1	1
P. E.	305-306	1	1	Chinese	Elective	9	9
Chinese	203-204	3	3	Electives		6	6
Chinese	207-208 or					<hr/>	
Chinese	209-210	2	2	Total		16	16
Chinese	211-212	2	2				
Electives		7	7				
		<hr/>					
Total		16	16				

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

SOCIOLOGY MAJOR COURSES

Minor: Any Arts or Education subject.

Intermediate Examination: Chinese, English, Economics, Psychology and History.

Freshman Year				Sophomore Year			
Chinese	101-102	2	2	English	201-202	2	2
Chinese	103-104	1	1	English	203-204	2	2
English	101-102	2	2	P. E.	201-202	1	1
English	103-104	2	2	Phil.	Elective	3	3
P. E.	101-102	2	2	Psych.	202-202	3	3
P. S.	101-102	1	1	Econ.	Elective	3	3
History	101-102	3	3	Sociol.	201-202	3	3
Econ.	101-102	3	3	Electives		2	2
Electives		6	6				
		<hr/>	<hr/>				
		22	22			19	19
Junior Year				Senior Year			
P. E.	301-302	1	1	P. E.	307-308	1	1
P. E.	305-306	1	1	*Sociology		6	6
*Sociology		9	9	Electives		9	9
Electives		5	5				
		<hr/>	<hr/>				
		16	16			16	16

*Note:—30 Credit hours of Sociology must be taken during the Junior and Senior years, which must include: Soc. 301-302, 303-304, 305-306, 309-310, 321 or 322, 325.

BIOLOGY MAJOR COURSES

Minor: Education, Chemistry, Physics or Mathematics Preferred.

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

Sequence I

Freshman Year				Sophomore Year			
Chinese	101-102	2	2	P. S.	101-102	1	1
Chinese	103-104	1	1	English	201-202	2	2
English	101-102	2	2	Philosophy Elective		3	3
English	103-104	2	2	Phys. Ed.	201-202	1	1
Phys. Ed.	101-102	2	2	Biology	103-104	4	4
Biology	101-102	5	5	Biology	205-206	3	3
Math.	101-102	3	3	Electives		5	5
*Electives		5	5				
		<hr/>	<hr/>				
Total		22	22	Total		19	19
Junior Year				Senior Year			
Phys. Ed.	301-302	1	1	Phys. Ed.	307-308	1	1
Phys. Ed.	305-306	1	1	Biology	311-312	1	1
Biology	303	4	4	Biology	313-314	1	1
Biology	306	4	4	Biology	309-310	4	4
Biology	301-302	2	2	Electives		9	9
** Elective		8	8				
		<hr/>	<hr/>				
Total		16	16	Total		16	16

* Note: Chemistry recommended.

** ,, : Organic Chemistry recommended.

Sequence II

Freshman Year				Sophomore Year			
Chinese	101-102	2	2	English	201-202	2	2
Chinese	103-104	1	1	Phylosophy Elective		3	3
English	101-102	2	2	Phys. Ed.	201-202	1	1
English	103-104	2	2	Biology	101-102	5	5
Phys. Ed.	101-102	2	2	Biology	103-104	4	4
P. S.	101-102	1	1	Electives		4	4
Math.	101-102	3	3				
Biology	None						
Electives		9	9	Total		19	19
		<hr/>	<hr/>				
Total		22	22				
Junior Year				Senior Year			
Phys. Ed.	301-302	1	1	Phys. Ed.	307-308	1	1
Phys. Ed.	305-306	1	1	Biology	303-306	4	4
Biology	205-206	3	3	Biology	309-310	4	4
Biology	301-302	2	2	Biology	311-312	1	1
Electives		9	9	Biology	313-314	1	1
(Chemistry recom- mended)				Electives		5	5
		<hr/>	<hr/>				
Total		16	16	Total		16	16

CHEMISTRY MAJOR COURSES

Minor: Physics, Biology, Mathematics, Education.

Intermediate Examination: Chemistry, English, Philosophy, Chinese.

Freshman Year				Sophomore Year			
Chinese	101-102	2	2	P. S.	101-102	1	1
Chinese	103-104	1	1	English	201-202	2	2
English	101-102	2	2	Phil.	Elective	3	3
English	103-104	2	2	P. E.	201-202	1	1
P. E.	101-102	2	2	Chem.	201	5	
Chem.	101-102	5	5	Chem.	204		5
Math.	101-102 or			**Phys.	101-102	5	5
Math.	103-104	3	3	Math.	103-104 or		
*Elect.		5	5	Elective		3	3
Total		22	22	Total		19	19

Analytical and Physical Chemistry.
Group A.

Junior Year				Senior Year			
Chem.	301	5		Chem.	321-322	3	3
Chem.	303-304	4	4	Chem.	305 or 307	4	
Chem.	306 or			Chem.	318		3
Chem.	308	4		P. E.	305-306	1	1
P. E.	301-302	1	1	Chem.	335	2	
P. E.	303-304	1	1	Chem.	312		3
Electives		5	6	Electives		6	6
Total		16	16	Total		16	16

Group B. Organic Chemistry.

Junior Year				Senior Year			
P. E.	301-302	1	1	P. E.	305-306	1	1
P. E.	303-304	1	1	Chem.	321	3	2
Chem.	301	5		Chem.	315	4	
Chem.	310		5	Chem.	318		3
Chem.	303-304	4	4	Chem.	335	2	
Electives		5	5	Chem.	312		3
Total		16	16	Electives		6	7
Total		16	16	Total		16	16

Group C. Industrial Chemistry.

Junior Year				Senior Year			
P. E.	301-302	1	1	Chem.	321-2	3	2
P. E.	303-304	1	1	Chem.	331-2	3	3
Chem.	301	5		Chem.	313.4	3	3
Chem.	303-304	4	4	Chem.	318		3
Chem.	306 or 308	4		P. E.	305-6	1	1
Mech, Dr.				***Electives		6	5
***Electives		5	5	Total		16	16
Total		16	16	Total		16	16

Note: *Physics recommended.

**If not taken in Freshman year.

PHYSICS MAJOR COURSES

Minor: Any subject; Mathematics, Chemistry or Education preferred.

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

Sequence I

Freshman Year				Sophomore Year			
Chinese	101-102	2	2	P. S.	101-102	1	1
Chinese	103-104	1	1	English	201-202	2	2
English	101-102	2	2	Phil.	Elective	3	3
English	103-104	2	2	Math.	103-104 or		
Math.	101-102 or			Math.	Elective	3	3
Math.	103-104	3	3	P. E.	201-202	1	1
P. E.	101-102	1	1	Phys.	203		3
Physics	101-102	5	5	Phys.	204		3
*Electives		6	6	Phys.	211-212	2	2
Total		22	22	Electives		4	4
Total		22	22	Total		19	19

Total

Junior Year

P. E.	301-302	1	1
P. E.	305-306	1	1
Math.	203-204 or		
Elective		3	3
Phys.	205-206	3	3
Phys.	201-202 or		
Phys.	207-208	3	3
Phys.	301-302	2	2
Electives		3	3
Total		16	16

Total

16 16

* —Chemistry recommended.

Sequence II—For those who begin with Sophomore Year

Freshman Year				Sophomore Year			
Chinese	101-102	2	2	English	201-202	2	2
Chinese	103-104	1	1	Phil.	Elective	3	3
English	101-102	2	2	Math.	103-104 or		
English	103-104	2	2	Math.	Elective	3	3
Math.	101-102 or			P. E.	201-202	1	1
Math.	103-104	3	3	P. S.	101-102	1	1
P. E.	101-102	2	2	Physics	101-102	5	5
*Electives		10	10	Electives		4	4
Total		22	22	Total		19	19

Total

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Junior Year

P. E.	301-302	1	1
P. E.	305-306	1	1
Math.	203-204 or		
Elective		3	3
Physics	205-206	3	3
Physics	203-204	3	3
Physics	211-212	2	2
Electives		2	2
Total		16	16

Total

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* : One science preferred.

Total

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PREMEDICAL COURSE

Intermediate Examination: English, Chinese, Chemistry, Physics, and Biology.

Freshman Year				Sophomore Year			
Chinese	101-102	2	2	English	201-202	2	2
Chinese	103-104	1	1	P. E.	201-202	1	1
English	101-102	2	2	Physics	101-102	5	5
English	103-104	2	2	Biology	205-206	3	3
P. E.	101-102	2	2	Chemistry	201-	5	
P. S.	101-102	1	1	Chemistry	204		5
Chemistry	101-102	5	5	**Elective		3	3
Biology	101-102	5	5				
*Math.	101-102 or			Total		19	19
**Elective		3	3				
		<hr/>					
Total		23	23				
Junior Year							
P. E.	303-304	1	1				
Chemistry	301		5				
Physics	212		2				
Chinese	Elective	2	2				
**Electives		4	7				
Philosophy	Elective	3	3				
		<hr/>					
Total		15	15				

Notes:

- *—The elective substitute for Math. 101-102 is for those who have already passed this course. In that case Math. 103-104 is advised for those who later desire to take Physical Chemistry.
- **—Electives are group electives must be chosen as follows: German, 2 years; French, 2 years; Physical Chemistry and Mathematics; Psychology and Education; or Economics, Political Science and Sociology.

ADMINISTRATION MAJOR COURSES

Minor: Any subject in which the student intends to teach.

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

Freshman Year				Sophomore Year			
Chinese	101-102	2	2	English	201-202	2	2
Chinese	103-104	1	1	Phil.	Elective	3	3
English	101-102	2	2	P. E.	201-202	1	1
English	103-104	2	2	Ped.	201-202	2	2
P. S.	101-102	1	1	Ped.	203-204	2	2
P. E.	101-102	2	2	Psy.	201-202	3	3
Ped.	103-104	3	3	*Electives		6	6
*Electives		9	9				
		<hr/>		Total		19	19
Total		22	22				
Junior Year							
P. E.	301-302	1	1	Senior Year			
P. E.	303-304	1	1	P. E.	305-306	1	1
Psy.	301-302	2	2	Adm.	309-310	2	2
Adm.	303-304	2	2	Ped.	301-302	3	3
Adm.	305-306	2	2	Electives		10	10
*Electives		8	8				
		<hr/>		Total		16	16
Total		16	16				

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

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PEDAGOGY MAJOR COURSES (General Teacher's Course)

Minor: Any subject in which the student intends to teach.

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

Freshman Year				Sophomore Year			
Chinese	101-102	2	2	English	201-202	2	2
Chinese	103-104	1	1	Phil.	Elective	3	3
English	101-102	2	2	P. E.	201-202	1	1
English	103-104	2	2	Ped.	201-202	2	2
P. S.	101-102	1	1	Ped.	203-204	2	2
P. E.	101-102	2	2	Psy.	201-202	3	3
Ped.	103-104	3	3	*Electives		6	6
*Electives		9	9				
		<hr/>				<hr/>	
Total		22	22	Total		19	19
Junior Year				Senior Year			
P. E.	301-302	1	1	P. E.	305-306	1	1
P. E.	303-304	1	1	Ped.	303-304	3	3
Ped.	301-302	3	3	Electives in Edu.		4	4
Electives in Educ.		3	3	*Electives		8	8
*Electives		8	8				
		<hr/>				<hr/>	
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.

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學大中華昌武立私
Hua Chung College
Bulletin

私立武昌中華大學
學刊

Catalog Number
1934-1935

Wuchang, Hupeh, China

PRINTED BY THE RELIGIOUS TRACT SOCIETY PRESS, HANKOW.

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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 1934-1935

(Abridged Edition.)



Issued January 1, 1935

Wuchang, Hupeh, China.

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SCHEDULE

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8.35	Chinese 101 A Economics 201 P.E. Women (Jr. & Sr.)	Chinese 103 A Chemistry 201 Chemistry 303 Economics 201 Psychology 203	Chinese 101 B English 201 P.E. Women (Jr. & Sr.)	Chinese 103 B Chemistry 201 Chemistry 303 Economics 201 Psychology 203	Chinese 101 C English 203 P.E. Women (Jr. & Sr.)	Chinese 103 B Chemistry 201 Chemistry 303
9.20	Biology 103 Chinese 101 A Chemistry 101 C (L) English 301 Physics 205	Biology 301 Chemistry 301 English 101 A, B, C Mathematics 205 Philosophy 201 Philosophy 205	Biology 205 Chinese 101 B English 201 Physics 205 Physics 303	Biology 301 Chemistry 301 English 101 Mathematics 205 Philosophy 201 Philosophy 205	Biology 103 Chinese 101 C English 203 Physics 205	Adm. 305 Biology 301 English 103 Mathematics 205 Philosophy 201 Philosophy 205
10.15	Chemistry 101 C (L) English 107 Mathematics 101 B P. E. Men (Jr. & Sr.) Physics 201 Psychology 101 A Sociology 201	Biology 309 English 101 A, B, C Pedagogy 201 Physics 207	English 107 Mathematics 101 B P. E. Men (Jr. & Sr.) Physics 201 Psychology 101 A Sociology 201	Mathematics 203 Pedagogy 103 Pedagogy 201 Physics 101	English 107 Mathematics 101 B P. E. Men (Jr. & Sr.) Physics 201 Psychology 101 A Sociology 201	Biology 309 English 103 Physics 207
11.10	Biology 303 Mathematics 203 Pedagogy 103 Physics 101 Psychology 101 B	Administration 303 Biology 101 Physics 303 P. E. 207	Biology 303 Mathematics 203 Pedagogy 103 Physics 101 Psychology 101 B	Adm. 305 Biology 101 Physics 207 P. E. 207	Adm. 303 Chemistry 101 Physics 303 Psychology 101 B	Biology 101 P. E. 207 P. E. 301

III

These classes are fixed : Students may not elect courses which conflict with these classes.
(L) = A laboratory period of three hours.

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
1.00	Chemistry 301 Mathematics 101 A Mathematics 103	Chemistry 101 Chemistry 301 (L)	Mathematics 101 A Mathematics 103	Chemistry 101	Chemistry 301 (L) Chinese 201 Mathematics 103	Military Training	
1.55	Biology 101 A (L) Biology 303 (L) Biology 309 (L) Chemistry 101 A (L) Commerce 201 History 101 Physics 101 A (L) Physics 103 (L) Physics 211 (L)	Biology 101 B (L) Biology 101 A (L) Biology 103 (L) Chemistry 101 B (L) Chemistry 201 B (L) Chemistry 301 (L) Chinese 109	Biology 309 Biology 101 A (L) Biology 205 (L) Chemistry 101 C (L) Chemistry 201 A (L) Commerce 201 Physics 101 B (L) Physics 103 (L) Physics 211 (L) History 101	Biology 101 B (L) Biology 103 (L) Chemistry 101 A (L) Chemistry 201 B (L) Chinese 109 English 301	Biology 101 B (L) Biology 103 (L) Chemistry 101 A (L) Chemistry 201 B (L) Chinese 109	Biology 205 (L) Biology 303 (L) Chemistry 101 B (L) Chemistry 201 A (L) Commerce 201 History 101 Physics 301	Military Training
2.50	(L) History 201	(L) English 309	(L) History 201	(L) English 301	(L) History 201		
3.45	Commerce 101 (L)	English 309 (L)	(L) Commerce 101	(L) Commerce 101	(L) Commerce 101		
4.40		P. E. 107 P. E. 205	P. E. 107	P. E. 205	P. E. 107		
7.00	P. E. 101	P. S. 101	P. E. 205 Physics 307				

VI

Laboratory Period

CALENDAR 1935-36

1935	August	6 & 7	Tuesday—Wed.	First Entrance Examinations
	September	1	Sunday	First term begins
	September	2 & 3	Monday—Tuesday	Second Entrance Examinations
	September	7	Saturday	First Faculty Meeting
	September	9	Monday	Registration of Old Students
	September	10	Tuesday	Registration of New Students
	September	12	Thursday	Classes begin
	October	10	Sunday	Birthday of the Republic
	November	1	Friday	Founder's Day and Matriculation Day
	November	12	Tuesday	Sun Yat Sun's Birthday
	December	25	Wednesday	Christmas Day
1936	January	10	Wednesday	New Year Day
	January	18	Saturday	Winter Vacation Begins
	February	1	Saturday	Second Term Begins

V

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 Church), and Yali (Yale Mission). 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 John 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, Hupeh, Hunan and Kiangsi.

From the beginning, the policy of the College has been to supplement government education by maintaining a residential 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.

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 ten 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. Ricksha men know the place best by the name *Wen Hwa*.

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 Foreign Missionary Society	.. .. .	3
Wesleyan 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 Mission	.. .. .	3
Wesleyan 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, 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 deals with all matters of instruction and curriculum.

The Dean is chairman and executive officer of the Faculty Meeting.

Hostels.

The cooperating 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.

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.

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 PAUL C. T. KWEI, PH.D., *Dean of the School of Science.*
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 POYU HOSTEL; REV. L. CONSTANTINE
 ST. PAUL'S HOSTEL; REV. C. F. WHISTON

FACULTY OF INSTRUCTION

- FRANCIS CHO-MIN WEI, *President of the College; 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.
- DAVID FYFE ANDERSON, *Assistant Professor of Education.*
M.A., B.Ed., Edinburgh.
- HELEN ANDERSON, *Lecturer in English.*
Teacher's Diploma, Edinburgh Training College.
- *RICHARD PENG LIEN BIEN, *Assistant Professor of Physics.*
B.S., Brown, Ph.D., M.I.T.
- MARGARET BLEAKLEY, *Registrar; Professor of English Literature.*
B.A., B.A. (Classics Honors), M.A. Manchester; Diploma in Education, Cantab.
- ARTHUR S. Y. CHEN, *Lecturer in Sociology.*
B.A., St. John's; M.A., Chicago.
- BEH K'ANG CH'EN, *Professor of Biology.*
B.S., Shanghai; M.S., Ph.D., Chicago.
- WEN SUNG CH'EN, *Instructor in Chinese Literature.*
B.A., Nanyang.
- JOHN LESLIE COE, *Treasurer; Assistant Professor of Mathematics.*
B.A., Hamilton; M.A., Michigan.
- LEONARD CONSTANTINE, *Lecturer in History.*
B.A., Manchester; B.A. (Honors) M.A. Cantab.
- TSE-GUNG DJANG, *Professor of Chemistry.*
B.S., Shanghai; Ph. D. Johns Hopkins.
- PHILLIP MARCUS FISK, *Assistant Professor of Chemistry.*
B.S., B.S. (Honors), Ph.D., London.
- IRENE FISK, *Instructor in Voice.*
Graduate, Metropolitan Academy of Music, London.
- NORMAN F. GARRETT, *Instructor in Economics.*
B.S., Pennsylvania.
- CHI JU HSIAO, *Instructor in Chemistry.*
B.S., National Central; M.S., Yenching.
- SIDNEY D. HSIAO, *Instructor in Biology.*
B.S., Shanghai; M.S., Yenchiug.
- FU-CHUN HSU, *Instructor in Biology.*
B.S., Shanghai.

- I HU, *Assistant Professor of Psychology.*
B.A., Wisconsin; M.A., Ph.D., Chicago.
- 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.
- PAUL CHI-TING KWEI, *Dean of the School of Science; Professor of Physics.*
B.A., Yale; M.S., Cornell; Ph.D. Princeton.
- LUCY FISH MILLER, *Lecturer in English Literature.*
B.A., Mt. Holyoke.
- LU-PING PAO, *Lecturer in Chinese Literature.*
B.A., National Peking.
- HSI YIN SHENG, *Instructor in Physics.*
B.S., Yenching.
- SAM SKÖLD, *Lecturer in Modern Languages.*
Phil. Cand., Phil. Mag., Upsala.
- FRIEDA FUEHRER TAYLOR, *Lecturer in Piano.*
Diploma in Music, Schuylkill.
- 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.
- CHARLES FRANCIS WHISTON, *Lecturer in Philosophy & Religion.*
B.A., Trinity; M.A., Harvard; B.D. Episcopal Theological School, Cambridge, Mass.

UNRANKED & PART TIME TEACHERS

- MARGARET CRABTREE, *Economics.*
B.A., Leeds.
- JOHN B. FOSTER, *English.*
B.A., Swarthmore.
- HENRIETTA (MRS. N. F.) GARRETT, *Art.*
B.A., Syracuse.
- SHER CHIEN HSIUNG, *Chemistry.*
Diploma, Tsing Hua. Graduate Work, Johns Hopkins.
- S. Y. LIVINGSTON HU, *Commerce.*
B.A., Nanking; B.S.C., Northwestern; M.A., Harvard.
- HSI KENG HWANG, *Chemistry.*
B.S., Yenching.

Tso Tu Hwang, *Political Science*.
Graduate, National Wuchang University.

ROBERT A. Kemp, *Music*.
B.S., MCGILL; M.A. COLUMBIA.

NINA G. JOHNSON, *First Aid and Hygiene*.
R.N., Newburyport Training School.

HELEN (MRS. C. T.) KWEI, *English*.
B.S., Cornell.

MARK H. T. LI, *Psychology*.
B.A., Boone; M.Ed., Harvard.

ANDREW T. K. YIEH, *Psychology*.
B.A., Nanking; M.A., Northwestern; Ph. D., Chicago.

YUIN CHUNG YANG, *Military Training*.
Graduate, National Military Academy.

DONALD WHISTON, *Physics*.
B.S., M.I.T.

ESTELLE REED (MRS. C. F.) WHISTON, *English*.
B.S., Beaver.

*On leave of absence.

STANDING COMMITTEES

Admissions

Dr. Pu Hwang, Dr. C. T. Kwei, Dr. B. K. Chen, Mr. D. F. Anderson, Mr. L. P. Pao, Mr. S. Y. Chen. the dean, the president.

Curriculum

Mr. C. F. Whiston, Dr. G. T. Djang, Dr. I. Hu, Mr. S. D. Hsiao, Mr. N. F. Garrett, the dean, the president.

Extension Service

Mr. L. Constantine, Director.

Social

Mrs. C. T. Kwei, Mrs. E. P. Miller, Jr., Mr. S. Y. Chen.

Self-help

Mr. S. Y. Chen, Mrs. F. Gilman, Mr. C. F. Whiston, Mr. L. Constantine, Mr. D. F. Anderson.

Library

Rt. Rev. A. A. Gilman, Mr. Samuel T. Y. Seng, Dr. F. C. M. Wei, Dr. Paul V. Taylor, Dr. Paul C. T. Kwei, Mr. Leonard Constantine, Dr. Pu Hwang (*ad interim*).

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 will 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 are based upon a syllabus of each course. The syllabus of each course 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 *D plus* 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 *D plus* 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 *D plus*, is required, in the final examinations.

A student who fails to get a *D* grade in each subject of his examinations and an average grade of *D plus* 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, add .. .. .	.50 N.B. 1	
Late Arrival, first day,	2.00	
each successive day, add .. .. .	.50 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

Hua Chung College has a limited number of scholarships at its disposal for students qualified to receive such aid, which are administered on a loan basis. These scholarships are for tuition only. Those who desire to become participants of scholarship aid should consult with the president of the college.

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 three degrees, Bachelor of Arts, Bachelor of Education and Bachelor of Science, 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.

*Exclusive of Party Principles and Military Training.

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

4. The completion of the work of one Major and one Minor (See under *Majors* and *Minors*).
5. An average grade of *D plus* 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:—

School	Department	Major	Minor
Arts	Chinese	44	24
	Commere-Economics	42	18
	English*	38	18
	Philosophy	—	22
Science	History—Sociology	42	18**
	Biology	48	22
	Chemistry	50	24
	Mathematics***	—	18
Education	Physics	36	18
	Pedagogy	42	22
	Psychology	44	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, and an examination in the subject studied.

*Excluding General College requirements in English.

**In either Sociology or History.

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

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 1½ Quality Credits, for each Credit Hour, in order to graduate.

GRADES

Students receive grades for the work completed at the end of each semester. Grades are interpreted as follows:

A	Excellent,	4	Quality Credits per Credit Hour.
B	Very Good,	3	" " " " "
C	Good,	2	" " " " "
D +	Fair,	1½	" " " " "
D	Pass,	1	" " " " "
E	Conditioned,	0	" " " " "
F	Failure.		

An average grade of *D plus* is required for Degree standing.

A student who receives an **E** is allowed to carry on in the course, but it is the lowest grade which may be given. The work is not regarded as satisfactory.

A student who receives an **F** is required to repeat the course, if it is a required course; if it is an elective course, he may be allowed to substitute another course for it, upon the advice of the Dean and the instructors concerned. If a student receives an **F** in the first term of a year course he may not continue the course.

A student who fails to get more than half as many quality credits, in any one term, as he has registered credit hours is automatically dropped from the College, and is allowed to resume his studies only with the special permission of the Faculty.

PROBATION

A student who fails to get a grade of **D** or better in at least two thirds of the hours of work for which he is registered is placed on probation for the following term.

A student *on probation* who fails to get a grade of **D** or better in two-thirds of the hours of work for which he is registered is automatically dropped from the College.

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ONE YEAR CERTIFICATE IN EDUCATION FOR MIDDLE SCHOOL TEACHERS

The School of Education grants a special certificate, apart from the regular College diploma, for a full year's course done in the School of Education.

This course is open to Middle School teachers only, and on the following conditions:

- 1) They must be teachers at the time of registering.
- 2) They must have had at least two years teaching experience.
- 3) They must be graduates of a recognized Senior Middle School.
- 4) A minimum of thirty Credit Hours of work is required for the certificate.
- 5) The work must be completed within three years from the time of registration.

The residence requirement of the College does not apply to such teachers.

Special classes are organized for groups of teachers when the demand warrants.

The cost of the course is \$3.00 per credit hour.

SCHOOL OF ARTS

DEPARTMENT OF CHINESE LITERATURE

- 101-102 **Prose Selections** 歷代文名著選
4 credits.
Lecture and recitation: 2 hours.
- 103-104 **Rhetoric and Composition** 修辭學及作文
2 credits.
Lecture and recitation: 1 hour.
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.
- 107-108 **Introduction to Chinese Literature** 中國文學通論
4 credits.
Lecture and recitation: 2 hours.
- 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.
- 205,206 **Selected Verse** 歷代詩選 (Term courses)
2 credits, each term.
Lecture and recitation: 2 hours.
- 207-208 **Selected Prose Literature B.C 200-A.D. 600**
漢魏六朝文選
4 credits.
Lecture and recitation: 2 hours.

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- 209-210 **Selected Prose Literature Since 600 A.D.**
唐宋以降文選
4 credits.
Lecture and recitation: 2 hours.
- 211-212 **Origin and Development of the Classics** 經學通論
6 credits.
Lecture and recitation: 3 hours.
- 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.
- 303-304 **Chinese Philology** 聲韻學
4 credits.
Lecture and recitation: 2 hours.
- 305-306 **Introduction to the Study of the Chinese Classical Languages** 訓詁學
4 credits.
Lecture and recitation: 2 hours.
- 307-308 **Han and Wei Poetry** 漢魏六朝詩選
4 credits.
Lecture and recitation: 2 hours.
- 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** 中國詩史
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.
- 321-322 **Modern Literary Tendencies** 現代文藝思潮
4 credits.
Lecture and recitation: 2 hours.
- 323-324 **Philosophy from the Sung to the Ch'ing Dynasties.**
四朝學案
4 credits.
Lecture and recitation: 2 hours.

DEPARTMENT OF FOREIGN LANGUAGES

ENGLISH

- 101-101 **Freshman Composition**
6 credits.
Lecture and recitation: 3 hours.
- 103-104 **Freshman Literature**
4 credits.
Lecture and recitation: 2 hours.
- 107-108 **Special Freshman English**
6 credits.
Lecture and recitation: 6 hours.
- 201-202 **Sophomore Composition**
4 credits.
Lecture and recitation: 2 hours.
- 203-204 **Sophomore Literature**
4 credits.
Lecture and recitation: 2 hours.
- 207 **English Literary History of the Eighteenth Century**
3 credits.
Lecture and recitation: 3 hours.
- 208 **English Literary History of the Nineteenth Century**
3 credits.
Lecture and recitation: 3 hours.
- 211-212 **Modern Drama**
4 credits.
Lecture and recitation: 2 hours.
- 213-214 **Shakespeare**
4 credits.
Lecture and recitation: 2 hours.
- 216 **Modern Short Stories**
2 credits. Open to Majors and Minors.
Lecture and recitation: 2 hours.
- 217 **Modern English Essays**
2 credits.
Lecture and recitation: 2 hours.

- 301-302 **English Prose of the Last Hundred Years**
6 credits.
Lecture and recitation: 3 hours.
- 303-304 **English Poetry of the Last Hundred Years**
6 credits.
Lecture and recitation: 3 hours.
- 305 **Literary Criticism**
3 credits.
Lecture and recitation: 3 hours.
- 307-308 **A Detailed Study of One Modern Writer**
4 credits.
Seminar: 2 hours.
- 309-310 **Advanced English Composition**
4 credits.
Lecture and recitation: 2 hours.
- 311-312 **A Study of Literary Types**
4 credits.
Lecture and recitation: 2 hours.
- 331-332 **Research Problem**
4 credits.
Conference: 2 hours.

FRENCH

- 201-202 **First Year French**
4 credits.
Lecture and recitation: 4 hours.
Grammar. Easy texts. Translation into Chinese.
Text: Boucher, Introduction.
- 303-304 **Second Year French**
4 credits.
Lecture and recitation: 3 hours.
Text: Haouisée, Extraits.

GERMAN

- 201-202 **First Year German**
4 credits.
Lecture and recitation: 4 hours.
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.

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DEPARTMENT OF HISTORY AND SOCIOLOGY**HISTORY SECTION**

- 101-102 **Western History**
6 credits.
Lecture and recitation: 3 hours.
- 201-202 **History of China**
6 credits.
Lecture and recitation: 3 hours.
- 203-204 **English History**
6 credits.
Lecture and recitation: 3 hours.
Prerequisite: History 101-102.
- 205-206 **Economic History**
Identical with Economics 201-202.
- 303-304 **English Constitutional History**
6 credits.
Lecture and recitation: 3 hours.
Prerequisite: 101-102.
- 311 **History of Western Civilization**
3 credits.
Lecture and recitation: 3 hours.
Prerequisite: History 101-102.
- 319-320 **Special Subject.**
Lecture and recitation: 3 hours.
3 credits.
- 331-332 **Seminar in History**
Hours and credits arranged.

SOCIOLOGY SECTION

- 201-202 **Introductory Sociology**
6 credits.
Lecture and recitation: 3 hours.
- 203-204 **Contemporary Economic Thought**
(Identical with Economics 203-204)

- 301-302 **Cultural Anthropology**
6 credits.
Lecture and recitation: 3 hours.
- 303-304 **Social Problems**
6 credits.
Lecture and recitation: 3 hours.
- 305-306 **Social Evolution and Social Organization**
6 credits.
Lecture and recitation: 3 hours.
- 308 **Social Philosophy**
3 credits.
Lecture and recitation: 3 hours.
Prerequisite: Sociology 201-202.
- 309 **Social Psychology**
Identical with Psychology 309
- 311-312 **Western Culture in the Development of Languages and Literature**
4 credits.
Lecture and recitation: 2 hours.
- 313-314 **Educational Sociology**
Identical with Pedagogy 313-314
- 317(318) **Rural Sociology**
3 credits.
Lecture and recitation: 3 hours.
- 321-322 **Seminar in Sociology**
Hours and credits to be arranged.
Personal investigation of assigned problems under guidance of the Department.
- 325(326) **Methods of Social Investigation**
3 credits.
Lecture and recitation: 2 hour.
Field work: 3 hours.
- 331-332 **Research Problem**
4 credits.
Hours arranged.

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POLITICAL SCIENCE SECTION

- 101-102 **Party Principles**
2 credits.
Lecture and recitation: 1 hour.
- 308-304 **Elements of Political Science**
6 credits.
Lecture and recitation: 3 hours.
- 105-106 **International Relations**
6 credits.
Lecture and recitation: 3 hours.
- 303-304 **Introduction to International Law**
6 credits. Open to Seniors only.
Lecture and recitation: 3 hours.
Prerequisite P. S. 103-104, 105-106.

DEPARTMENT OF ECONOMICS AND COMMERCE**ECONOMICS SECTION**

- 101-102 **Elementary Economics**
6 credits.
Lecture and recitation: 3 hours.
- 103-104 **World Geography**
6 credits.
Lecture and recitation: 3 hours.
- 201-202 **Money and Banking**
6 credits.
Lecture and recitation: 3 hours.
Prerequisite: Economics 101-102.
- 203-204 **Contemporary Economic Thought**
4 credits.
Lecture and recitation: 2 hours.
- 205-206 **Geography of China**
Credits and hours arranged.
- 301-302 **Public Finance**
6 credits.
Lecture and recitation: 3 hours.
Prerequisite: Economics 201-202.
- 303-304 **Economic History**
6 credits.
Lecture and recitation: 3 hours.
Prerequisite: Economics 101-102; History 101-102.
- 321-322
323-324 **Seminar in Economics**
Credits to be determined.
Lecture and conference to be arranged.

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**
6 credits.
Lecture and recitation: 3 hours.
- 301 **Business Finance**
3 credits.
Lecture and recitation: 3 hours.
Prerequisite: Economics 201-202.
- 302 **Financial Organizations**
3 credits.
Lecture and recitation: 3 hours.
Prerequisite: Commerce 301.
- 305 **Business Administration**
3 credits.
Lecture and recitation: 3 hours.
- 306 **Industrial Management**
3 credits.
Lecture and recitation: 3 hours.
Prerequisite: Commerce 305.
- 311-312 **Commercial Law**
6 credits.
Lecture and recitation: 3 hours.
- 313-314 **Special Accounting**
2-4 credits per semester.
Lecture and recitation: 1-2 hours.
Laboratory: 1 period of 3 hours.
Prerequisite: Commerce 203-204.
- 317 **Principles and Practice of Marketing**
3 credits.
Lecture and recitation: 3 hours.
- 319 (320) **Economic Resources and Foreign Trade of China**
3 credits.
Lecture and recitation: 3 hours.
- 321-322
323-324 **Seminar in Commerce**
Credits to be determined.
Lecture and conference to be arranged.

DEPARTMENT OF PHILOSOPHY

PHILOSOPHY

- 201 **Introduction to the Study of Religion**
3 credits.
Lecture and recitation: 3 hours.
- 203-204 **History of Western Philosophy**
6 credits.
Lecture and recitation: 3 hours.
- 205-206 **Introduction to Philosophy**
6 credits.
Lecture and recitation: 3 hours.
- 207 **Introduction to Ethics**
3 credits.
Lecture and recitation: 3 hours.
- 210 **Social Teachings of Jesus**
3 credits.
Lecture and recitation: 3 hours.
- 211-212 **Logic**
6 credits.
Lecture and recitation: 3 hours.
- 214 **An Introductory Study to the Bible**
3 credits.
Lecture and recitation: 3 hours.
- 215(216) **The Historical Development of Religion**
6 credits.
Lecture and recitation: 3 hours.
- 301 **Contemporary Philosophy**
3 credits.
Lecture and recitation: 3 hours.
- 303 **History of Indian Philosophy**
3 credits.
Lecture and recitation: 3 hours.

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- 304 **History of Buddhist Philosophy**
3 credits.
Lecture and recitation: 3 hours.
- 305 **Ethical Theories and Ethical Problems**
3 credits.
Lecture and recitation: 3 hours.
- 307 **Plato**
3 credits.
Lecture and recitation: 3 hours.
- 308 **Kant**
3 credits.
Lecture and recitation: 3 hours.
- 309 **Modern Philosophical Writings**
3 credits.
Lecture and recitation: 3 hours.
- 313 **Outline of Christian Doctrines**
3 credits.
Lecture and recitation: 3 hours.

SCHOOL OF SCIENCE

DEPARTMENT OF BIOLOGY

- 101 **General Zoology**
5 credits.
Lecture and recitation: 3 hours.
Laboratory: 2 periods of 3 hours each.
- 102 **General Zoology**
5 credits.
Lecture and recitation: 3 hours.
Laboratory: 2 periods of 3 hours each.
- 103-104 **General Botany**
8 credits.
Lecture and recitation: 2 hours.
Laboratory: 2 periods of 3 hours.
- 105-106 **Principles of Biology**
6 credits. For non-science majors.
Lecture and recitation: 2 hours.
Laboratory: 1 period of 3 hours.
- 205-206 **Comparative Anatomy (Vertebrate)**
6 credits.
Lecture and recitation: 1 hour.
Laboratory: 2 periods of 3 hours each.
Prerequisite: Biology 101-102.
- 301-302 **Genetics**
4 credits.
Lecture and recitation: 2 hours.
Prerequisite: Biology 101-102, or 105-106.
- 303 (304) **General Embryology**
4 credits.
Lecture and recitation: 2 hours.
Laboratory: 2 periods of 3 hours each.
Prerequisite: Biology 101-102.
- (305) 306 **Animal Histology**
4 credits.
Lecture and recitation: 2 hours.
Laboratory: 2 periods of 3 hours each.
Prerequisite: Biology 101-102.

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- (307) 308 **General Bacteriology**
 4 credits.
 Lecture and recitation: 2 hours.
 Laboratory: 2 periods of 3 hours each.
- 309-310 **General Physiology**
 8 credits.
 Lecture and recitation: 2 hours.
 Laboratory: 2 periods of 3 hours each.
 Prerequisite: Biology 101-102; 103-104;
 Chemistry 101-102; Physics 101-102.
- 311-312 **Biological Seminar**
 2 credits.
 1 seminar period.
- 313-314 **Special Problem**
 2 credits.
 Independent investigation of a simple biological problem,
 under the supervision of a staff member of the
 department.
- 315 (316) **Protozoology**
 4 credits.
 Lecture and recitation: 2 hours.
 Laboratory: 2 periods of 3 hours each.
 Prerequisite: Biology 101-102.
- 317 (318) **Twining**
 2 credits.
 Seminar: hours to be arranged.
- 321 (322) **Animal Parasitology**
 4 credits.
 Lecture and recitation: 2 hours.
 Laboratory: 2 periods of 3 hours each.
 Prerequisite: Biology 101-102.
- (323) 324 **General Entomology**
 4 credits.
 Lecture and recitation: 2 hours.
 Laboratory: 2 periods of 3 hours each.
 Prerequisite: Biology 101-102.

- 325 (326) **Experimental Embryology**
 3 credits.
 Lecture and recitation: 2 hours.
 Laboratory: hours to be arranged.
 Prerequisite: Biology 303.
- (327) 328 **Comparative Histology**
 3 credits.
 Lecture and recitation: 1 hour.
 Laboratory: hours to be arranged.
 Prerequisite: Biology 303 and 306.
- (329) 330 **Evolution**
 3 credits.
 Lecture and recitation: 3 hours.
 Prerequisite: Biology 301-302.
- 331-332 **Zoological Technique**
 2 credits.
 Laboratory: 1 period.

DEPARTMENT OF CHEMISTRY

- 101-102 **General Chemistry (First Term). Qualitative Analysis (Second Term).**
10 credits.
Lecture and recitation: 3 hours.
Laboratory: 2 periods of 3 hours each.
- 103-104 **Pandemic Chemistry**
6 credits. For Non-science Majors.
Lecture and recitation: 3 hours.
- 201 (202) **Elementary Physical Chemistry**
5 credits.
Lecture and recitation: 3 hours.
Laboratory: 2 periods of 3 hours each.
Prerequisite: Chemistry 101-102.
- (203) 204 **Elementary Quantitative Analysis (Inorganic)**
5 credits.
Lecture and recitation: 3 hours.
Laboratory: 2 periods of 3 hours each.
Prerequisite: Chemistry 101-102.
- 301 (302) **Elementary Organic Chemistry**
5 credits.
Lecture and recitation: 3 hours.
Laboratory: 2 periods of 3 hours each.
Prerequisite: Chemistry 101-102.
- 303-304 **Advanced Physical Chemistry (Chemical Physics)**
8 credits. (4-4)
Lecture and recitation: 3 hours.
Laboratory: 3 hours.
Prerequisites: Mathematics 103-104, Physics 101-102, Chemistry 201-202.
- 305-306 **Advanced Quantitative Analysis**
6 credits.
Lecture and recitation: 3 hours. (first term)
Laboratory: 1 period of 3 hours. (first term)
Laboratory: 2 periods (second term)
Prerequisite: Chemistry 201 or 204.
- 307 (308) **Advanced Inorganic Chemistry**
4 credits.
Lecture and recitation: 2 hours.
Laboratory: 2 periods of 3 hours each.
Prerequisite: Chemistry 204.

- (309) 310 **Advanced Organic Chemistry**
5 credits.
Lecture and recitation: 3 hours.
Laboratory: 2 periods of 3 hours each.
Prerequisite: Chemistry 301.
- 311 (312) **History of Chemistry**
3 credits. (2-2)
Lecture and recitation: 3 hours.
Prerequisite: Chemistry 202.
- 313-314 **Technical Analysis**
6 credits.
Laboratory: 3 periods of 3 hours each.
Prerequisite: Chemistry 204.
- 315-316 **Organic Analysis (Qualitative and Quantitative)**
5 credits.
Lecture and recitation: 1 hour.
Laboratory: 2 periods of 3 hours each.
(first term: second term arranged.)
Prerequisite: Chemistry 301.
- 317-318 **Thermodynamics**
4 or 3 credits.
Lecture and recitation: 2 hours for 1 year, or 3 hours for 1 semester.
Prerequisite: Chemistry 303-304.
- 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.
- (323) 324 **Method of Teaching Chemistry**
3 credits.
Lecture and recitation: 3 hours.
- 331-332 **Special Problem**
Credits to be determined.
Laboratory: 2 or 3 periods.
- 335 (336) **Literature of Chemistry**
2 credits.
Lecture and recitation: 2 hours.
- 337-338 **Seminar**
Hours and credits to be arranged.

DEPARTMENT OF PHYSICS

- 101-102 **College Physics**
10 credits.
Lecture and recitation: 4 hours.
Laboratory: 1 period of 3 hours.
Prerequisites: Trigonometry; Higher Algebra; Middle School Physics, or equivalent.
(30 experiments required.)
- 103-104 **Physics for Arts Students**
10 credits.
Lecture and recitation: 4 hours.
Laboratory: 1 period of 2 hours.
(For those deficient in Middle School laboratory experiments.)
- 105-106 **Physics Laboratory**
2 credits.
Laboratory: 1 period of 3 hours.
(Identical with the Laboratory of Physics 101-102)
- 201(202) **Radio Communication**
4 credits.
Lecture and recitation: 3 hours.
Laboratory: 1 period of 3 hours.
Prerequisite: Physics 101-102.
- (203)204 **Electricity and Magnetism**
3 credits.
Lecture and recitation: 3 hours.
Prerequisite: Physics 101-102., Math. 103-104.
- 205-206 **Theoretical Mechanics**
6 credits.
Lecture and recitation: 3 hours.
Prerequisites: Calculus; Physics 101-102.
- 207-208 **Advanced Light**
6 credits.
Lecture and recitation: 3 hours.
Prerequisites: Calculus; Physics 101-102.
- 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.

- 213(214) **Theory and Practice of Measurements**
1 credit.
Lecture and recitation: 2 hours.
Prerequisites: Calculus; Physics 211-212.
- 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.
Lectures and recitations: 3 hours.
Prerequisites: Calculus; at least two courses of Physics numbered from 201 to 208 inclusive.
- 305 **Kinetic Theory of Gases**
3 credits.
Lecture and recitation: 3 hours.
Prerequisites: Two advanced courses in Physics, and Mathematics 203-204.
- 306 **Heat and Thermodynamics**
3 credits.
Lecture and recitation: 3 hours.
Prerequisites: Calculus; two advanced courses of Physics.
- 307-308 **Physics Seminar**
2 credits.
1 seminar period.
- 309-310 **Special Problem**
1 or 2 credits.
Time spent: at least 3 hours a week.
- 311-312 **Higher Mathematics for Students of Physics**
6 credits.
Lecture and recitation: 3 hours.
Prerequisites: Math. 203-204 and at least two advanced courses in Physics.
- 313-314 **Modern Physics**
6 credits.
Lecture and recitation: 3 hours.
Prerequisites: Calculus and at least 18 credits in Physics.

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MATHEMATICS

- 101-102 **First Year Mathematics**
6 credits.
Lecture and recitation: 3 hours.
- 103-104 **Second Year Mathematics**
6 credits.
Lecture and recitation: 3 hours.
- 105-106 **Elementary Statistics**
6 credits.
Lecture and recitation: 3 hours.
- 107-108 **Mechanical Drawing**
2 credits.
Lecture and recitation: 1 hour.
- 201 **Higher Algebra**
3 credits.
Lecture and recitation: 3 hours.
- 202 **Introduction to the Theory of Equations**
Lecture and recitation: 3 hours.
- 203-204 **Intermediate Calculus and Differential Equations**
6 credits.
Lecture and recitation: 3 hours.
- 301-302 **Advanced Calculus and Analysis**
6 credits.
Lecture and recitation: 3 hours.
- (303)304 **Projective Geometry**
3 credits.
Lecture and recitation: 3 hours.
- 305(306) **Vector Analysis**
3 credits.
Lecture and recitation: 3 hours.
- (309)310 **Introduction to the Mathematics of Relativity**
3 credits.
Lecture and recitation: 3 hours.

SCHOOL OF EDUCATION**DEPARTMENT OF PEDAGOGY
PEDAGOGY SECTION**

- 101-102 **Principles of Education**
6 credits.
Lecture and recitation: 3 hours.
- 103-104 **Introduction to Education**
6 credits.
Lecture and recitation: 3 hours.
- 201-202 **Practice Teaching and Classroom Methods**
6 credits.
Lecture and recitation: 2 hours.
Laboratory: 3 hours.
- 203-204 **Principles of Secondary Education**
4 credits.
Lecture and recitation: 2 hours.
- 205-205 **A Teachers Course in Religious Education**
4 credits.
Lecture and recitation: 2 hours.
- 301-302 **Practice Teaching**
6 credits.
Discussion: 1 hour.
Laboratory: 3 hours.
- 303-304 **Practice Teaching**
6 credits.
Discussion: 1 hour.
Laboratory: 4 hours.
- 307-308 **Methods of Teaching Specified Subjects**
Hours and credits arranged.
(a) English
(b) Geography
(c) Chinese
(d) Biology
(e) Chemistry
(f) History

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- (309) 310 **History of Chinese Education**
3 credits.
Lecture and recitation: 3 hours.
- 311-312 **General History of Education**
4 credits.
Lecture and recitation: 2 hours.
- 313-314 **Educational Sociology**
4 credits.
Lecture and recitation: 2 hours.
- 315-316 **Philosophy of Education**
4 credits.
Seminar: 2 hours.
- 331-332 **Research Problem**
4 credits. Seminar: hours arranged.

ADMINISTRATION SECTION

- 301 (302) **Modern Education in China**
2 credits.
Lecture and recitation: 2 hours.
- 303-304 **Measurements and Statistics in Education**
4 credits.
Lecture and recitation: 2 hours.
- 305-306 **Secondary School Administration and Supervision**
4 credits.
Lecture and recitation: 2 hours.
- 307-308 **Comparative Systems of Education**
4 credits.
Lecture and recitation: 2 hours.
- 309-310 **Educational Administration and Supervision**
4 credits.
Lecture and recitation: 2 hours.
- 311 (312) **Rural School Administration**
2 credits.
Lecture and recitation: 2 hours.
- 313 (314) **Organisation of a Curriculum**
2 credits.
Lecture and recitation: 2 hours.
- 315-316 **Elementary Statistics**
6 credits.
Lecture and recitation: 3 hours.
Prerequisites: Algebra, Geometry.
Identical with Mathematics 105-106.

DEPARTMENT OF PSYCHOLOGY

- 101-102 **Structure and Functions of the Nervous System**
8 credits.
Lecture and recitation: 3 hours.
Laboratory, 1 period of 3 hours.
- 103-104 **General Psychology**
6 credits.
Lecture and recitation: 3 hours.
- 203-204 **Educational Psychology**
4 credits.
Lecture and recitation: 2 hours.
- 205-206 **Experimental Psychology**
6 credits.
Lecture: 1 hour.
Laboratory: 2 periods of 3 hours each.
- 303-304 **Character Education**
4 credits.
Lecture and recitation: 2 hours.
- 305-306 **Abnormal Psychology and Mental Hygiene**
4 credits.
Lecture and recitation: 2 hours.
- (307) 308 **Psychology of Religion**
2 credits.
Lecture and recitation: 2 hours.
- 309 (310) **Social Psychology**
3 credits.
Lecture and recitation: 3 hours.
- 311-312 **Psychology of Childhood and Adolescence**
4 credits.
Lecture and recitation: 2 hours.
- 313 (314) **History of Psychology**
3 credits.
Lecture and recitation: 3 hours.
- 315 (316) **Systems of Psychology**
3 credits.
Lecture and recitation: 3 hours.
- 317 (318) **Theory and Construction of Tests**
3 credits.
Lecture and recitation: 3 hours.
- 319 (320) **Psychology of School Subjects**
3 hours.
Lecture and recitation: 3 hours.
- 331-332 **Research Seminar**
4 credits.
Lecture and recitation: 2 hours.

DEPARTMENT OF MUSIC

- 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), 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.
- 101-102 **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, Hanon, Bach's Little Preludes and lighter composition, Sight Reading; suitable pieces.
- 103-104 **Piano: Grade V**
 6 credits. Private recitations.
 Recitation: 1 hour.
 Practice: 6 hours.
 Scales and arpeggios in numerous ways, with double thirds dominant and diminished seventh chords and arpeggios; Czerny (Op. 740), Cramer, Clementi, Moscheles, Bach's two part inventions, Kulak's octave studies; Selected classical pieces.
- 105-106 **Piano: Grade VI**
 6 credits. Private recitations.
 Recitation: 1 hour.
 Practice: 6 hours.
 Advanced technical studies; 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 and other classical 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.

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DEPARTMENT OF PHYSICAL EDUCATION

- 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: 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 Gemnasium Work**
2 credits: Senior Year.
Practical work: 3 hours. Dancing optional for women.

CHINESE MAJOR COURSES

Minor: Any School of Art or School of Education subject.

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	101-102	3	3	Elective		6	6
Electives		9	9				
		<hr/>					
Total		23	23	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 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	203-204	3	3				
Electives		5	5				
		<hr/>					
Total		16	16				

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

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

ENGLISH MAJOR COURSES*Minor:* Any School of Arts or School of Education subject.*Intermediate Examination:* English, Chinese, History, any other two subjects.

<i>Freshman Year</i>				<i>Sophomore Year</i>			
Chinese	101-102	2	2	Chinese	201-202	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		23	23	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 Elective		7	7
English Elective		10	7	Electives		8	8
Electives		4	7				
Total		16	16	Total		16	16

English Minor Courses

Required: English	201-202	2	2
English	203-204	2	2

		4	4	8
Elective: English				10
Total				18

HISTORY-SOCIOLOGY MAJOR COURSES*Minor:* Any Arts or Education subject.*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	Psychology	201-202	3	3
P. S.	101-102	1	1	Economics	203-204	2	2
History	101-102	3	3	or 303-304		3	3
History	201-202	2	2	Sociol.	201-202	3	3
Economics	101-102	3	3	Electives		2 or 3	2 or 3
Biology	105-106	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	301-302	3	3
History	311	3		Sociology	308-309	3	3
Sociology	303-304	3	3	Sociology	331-332	2	2
Sociology	305-306	3	3	Sociology		3	
Sociology	326		5	Electives		4	7
Electives		5	5				
		16	16			16	16

History Minor Courses

Required: History	101-102	3	3
History	201-203	3	3

		6	6	12
Elective: History				6
				18

Sociology Minor Courses

Required: Sociology	201-202	3	3	6
Elective: Sociology				12

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ECONOMICS-COMMERCE MAJOR COURSES*Minor:* Any subject.*Intermediate Examination:* Chinese, English, Economics, and any other two subjects.

<i>Freshman Year</i>				<i>Sophomore Year</i>			
Chinese	101-102	2	2	Chinese	Elective	2	2
Chinese	103-104	1	1	English	Elective	2	2
English	101-102	3	3	English	201-202	2	2
English	103-104	2	2	Philosophy	Elective	3	3
P. E.		2	2	P. E.		1	1
Pol. Science	101-102	1	1	Economics	201-202	3	3
Economics	101-102	3	3	Commerce	201-202	3	3
Commerce	101-102	3	3	Electives		3	3
Electives		5	5				
						19	19
		22	22				

<i>Junior Year</i>				<i>Senior Year</i>			
P. E.	301-302	1	1	P. E.		1	1
P. E.		1	1	Commerce	321-322		
Commerce	Electives	9	9	or			
Electives		5	5	Econ.	321-322	2	2
				Commerce	Electives	9	9
		16	16	Electives		4	4
						16	16

*Commerce Electives*Com. 311-12, Com. 313-14, Com. 319-20, Com. 310-2
Com. 325-26, Econ. 203-4, Econ. 301-2.*Economics—Commerce Minor Courses*

Required:	Economics	101-102	3	3	6
Elective:	Economics or Commerce				12
Total					18

Philosophy Minor Courses

Required:	Philosophy	211-212	3	3	
	Philosophy	311-312	3	3	
			6	6	12
Elective:	Philosophy				10
Total					22

Courses numbered 210, 214, 313 and 316 may not be counted toward the philosophy minor.

BIOLOGY MAJOR COURSES*Minor:* Pedagogy Chemistry, Physics or Mathematics preferred.*Intermediate Examination:* Biology, English, Chinese and two electives.

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

<i>Junior Year</i>				<i>Senior Year</i>			
Phys. Ed.	301-302	1	1	Phys. Ed.		1	1
Phys. Ed.		1	1	Biology	309-310	4	4
Biology	205-206	(3)	(3)	Biology	311-312	1	1
or Biology	103-104	4	4	Biology	313-314	1	1
Biology	303	4	4	Electives		9	9
Biology	306		4				
Biology	301-302	2	2				
**Elective		4	4				
Total		16	16			16	16

*Note: Chemistry recommended.

** ,, : Organic Chemistry recommended.

Biology Minor Courses

Required:	Biology	101-102	5	5	
	Biology	103-104	4	4	
Elective:	Biology				18
			9	9	4
Elective:					22
Total					22

CHEMISTRY MAJOR COURSES*Minor:* Physics, Biology, Mathematics, Education.*Intermediate Examination:* Chemistry, English, Philosophy, Chinese.

<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	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		23	23			19	19

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 307	4	
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.	303-304	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				
Total		16	15	Total		16	17

Chemistry Minor Courses

Required: Chemistry	101-102	5	5
Chemistry	201-204	5	5
Chemistry	303	4	

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Total 24

CHEMISTRY MAJOR COURSES*Minor:* Physics, Biology, Mathematics, Education.*Intermediate Examination:* Chemistry, English, Philosophy, Chinese.

<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	5
P. E.		2	2	Chem.	204		
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		23	23			19	19

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 307	4	
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.	303-304	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				
Total		16	15	Total		16	17

Chemistry Minor Courses

Required: Chemistry	101-102	5	5
Chemistry	201-204	5	5
Chemistry	303	4	

Total		14	10	24
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PHYSICS MAJOR COURSES

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

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.	103-104 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
				Electives		3	4
Total		23	23	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	Physics	303-304 or		
Math.	203-204 or				311-312	3	3
Elective		3	3	Physics	201,204 or		
Phys.	205-206	3	3	Physics	207-208	3	3
Phys.	313-314, or			Physics	309-310	1	1
Phys.	207-208	3	3	Physics	307-308	1	1
Phys.	301-302	2	2	Elective		7	7
Electives		3	3	Total		16	16
Total		16	16				

* —Chemistry recommended.

<i>Physics Minor Courses</i>			
Required: Physics	101-102	5	5
or Physics	103-104	4	4
and Physics	105-106	1	1
Physics	211-212	2	2
		7	7
Elective: Physics			14
			4
Total			18

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

PREMEDICAL COURSE

Intermediate Examination: English, Chinese, Chemistry, Physics and Biology.

<i>Freshman Year</i>				<i>Sophomore Year</i>			
Chinese	101-102	2	2	English	201-202	2	2
Chinese	103-104	1	1	P. E.		1	1
English	101-102	3	3	Physics	101-102	5	5
English	103-104	2	2	Biology	205-206	3	3
P. E.		2	2	Chemistry	201-	5	5
P. S.	101-102	1	1	Chemistry	204		5
Chemistry	101-102	5	5	**Elective		3	3
Biology	101-102	5	5	Total		19	19
*Math.	101-102 or						
**Elective		3	3				
Total		24	24				

<i>Junior Year</i>			
P. E.		1	1
Chemistry	301	5	
Physics	212	2	2
Chinese	Elective	2	2
**Electives		4	7
Philosophy	Elective	3	3
Total		15	15

Note:

*—The elective substitute for Math. 101-102 is for those who have already passed this course. In that case Math. 103-104 is advised for those who later desire to take Physical Chemistry.

**—Electives are group electives and must be chosen as follows: German, 2 years; French, 2 years, Physical Chemistry and Mathematics; Psychology and Education; or Economics, Political Science and Sociology.

Mathematics Minor Courses

One course under	201	3	3	6
Electives:	201 or above			12
Total				18

PEDAGOGY MAJOR COURSES

Minor: Any subject in which the student intends to teach.
Intermediate Examination: Chinese, English, Education, Psychology, 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	Ped.	201-202	3	3
P. S.	101-102	1	1	Ped.	203-204	2	2
P. E.		2	2	Psy.	301-302	2	2
Ped.	103-104	3	3	*Electives	203-204	6	6
Psy.	103-104	3	3				
*Electives		6	6	Total		19	19
Total		23	23				

Section A. Teacher's Course

<i>Junior Year</i>				<i>Senior Year</i>			
P. E.	301-302	1	1	P. E.		1	1
P. E.		1	1	Ped.	203-204	2	2
Ped.	301-302	3	3	Ped.	331-332	2	2
Ped.	307-308	1	1	Electives in Ped.		4	4
Adm.	303-304	2	2	*Electives		7	7
*Electives		8	8				
Total		16	16	Total		16	16

Section B. Administrators Course

<i>Junior Year</i>				<i>Senior Year</i>			
P. E.	301-302	1	1	P. E.		1	1
P. E.		1	1	Adm.	309-310	2	2
Ped.	301-302	3	3	Adm.	331-332	2	2
Ped.	307-308	1	1	Ped.	203-204	2	2
Adm.	303-304	2	2	Electives		9	9
Adm.	305-306	2	2				
Electives		6	6			16	16
		16	16				

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

Pedagogy Minor Courses

Required:	Ped.	201-202	3	3	6
Elective:	Ped. or Adm.				16
Total					22

PSYCHOLOGY MAJOR COURSES

Minor: Any Subject.

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

<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	Psy.	203-204	2	2
P. S.	101-102	1	1	Psy.	205-206	3	3
P. E.		2	2	Electives		8	8
Psy.	101-102	4	4				
Psy-	103-104	3	3	Total		19	19
Electives		4	4				
		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.	305-306	2	2
Adm.	303-304	2	2	Psy.	331-332	2	2
Psy.	311-312	2	2	Psy.	Electives	3	3
Psy.	Electives	5	5	Electives		8	8
Electives		5	5				
Total		16	16	Total		16	16

Psychology Minor Courses

Required:	Psychology	103-104	3	3	6
Elective:	Psychology				12
					18

Music Minor Courses

Required:	Music	103-104	3	3	
	Music	109-110	2	2	
	Music	111-112	1	1	
	Music	113-114	1	1	
			8	8	16
Elective:	from Music	115 to 126			4
	Music				2
					22

**MILITARY TRAINING & PHYSICAL EDUCATION
REQUIREMENTS**

Men*First Year:*

Required: Military Training, According to Government regulations.

Lecture: 1 hours per week.

Drill: 2 hours per week.

Camping excursions: Four times during the year.

Rifle Practice: Three times during the year.

Summer camp: 2 months.

Second Year:

Required: Field and Gymnasium Games, 3 hours per week.

Elective: First aid.

Third Year:

Required: Hygiene, 1 hour per week.

Field & Gymnasium Games, 3 hours per week.

Fourth Year:

Required: Field & Gymnasium Games, 3 hours per week.

Women*First Year:*

Required: First Aid, 1 hour per week lecture and whatever other work the Government regulations may require.

Required: Folk Dancing, Field and Gymnasium Games, 3 hours per week.

Second Year:

Required: Folk Dancing, Field and Gymnasium Games, 3 hours per week.

Elective: Practical Nursing.

Third Year:

Required: Hygiene, 1 hour per week.

*Required: Dancing, Field or Gymnasium Games, 3 hours per week.

Fourth Year:

*Required: Dancing, Field and Gymnasium Games, 3 hours per week.

*Dancing is optional during the third and fourth years. If chosen, it takes the place of an equivalent number of hours of Games.

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