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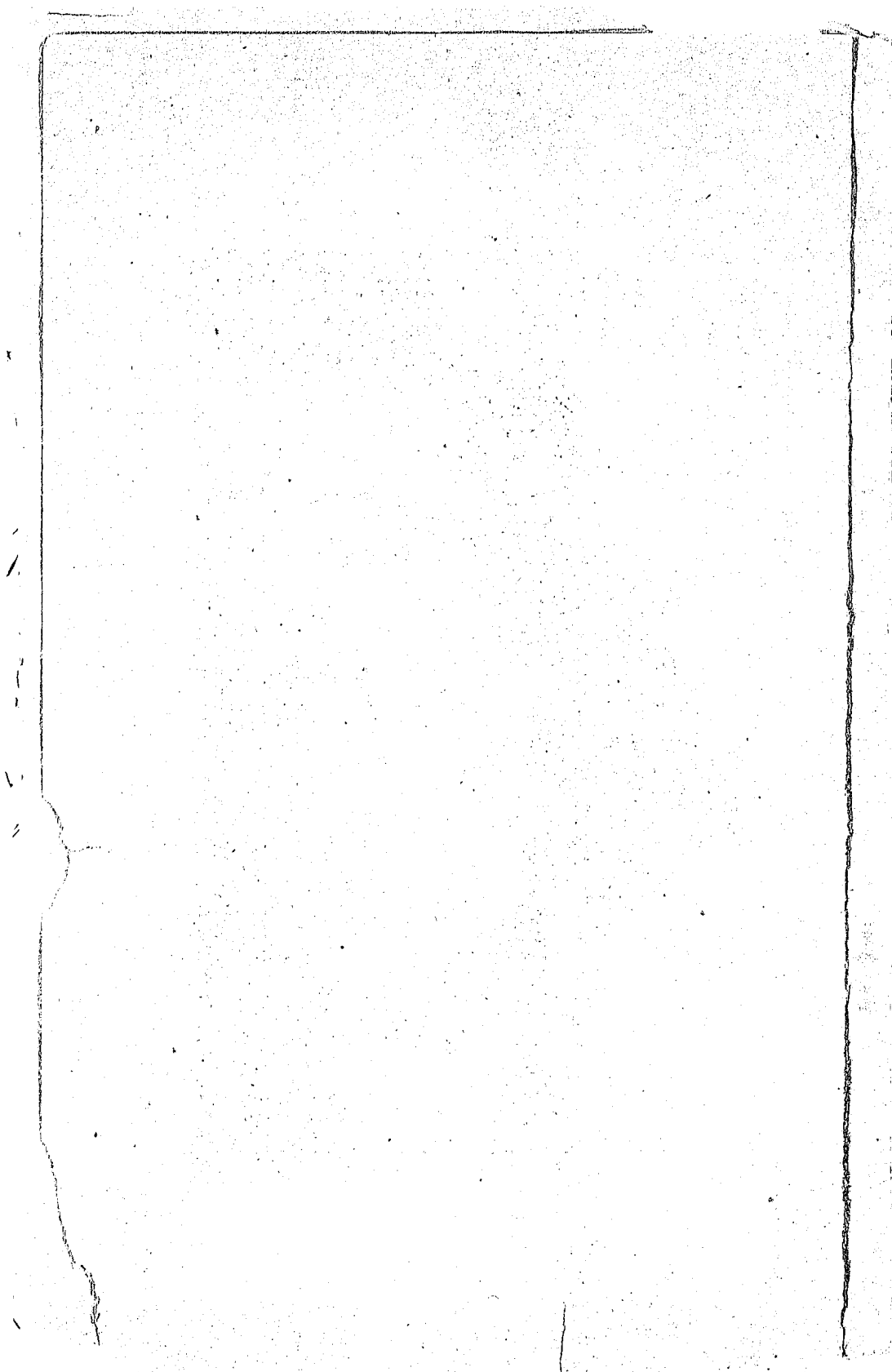
UNIVERSITY OF NANKING BULLETIN

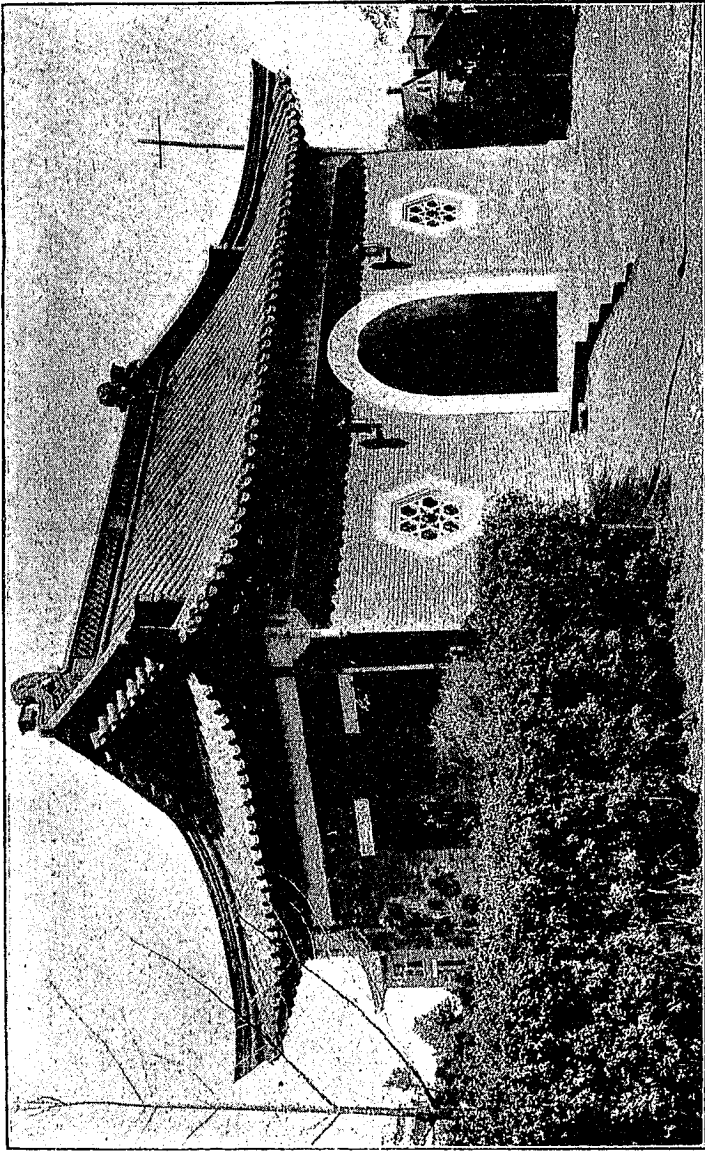
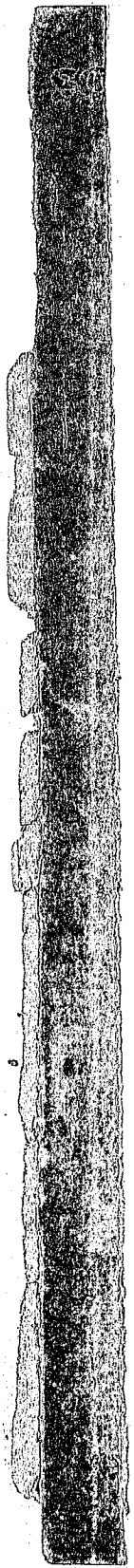
# CATALOG

DECEMBER

1931

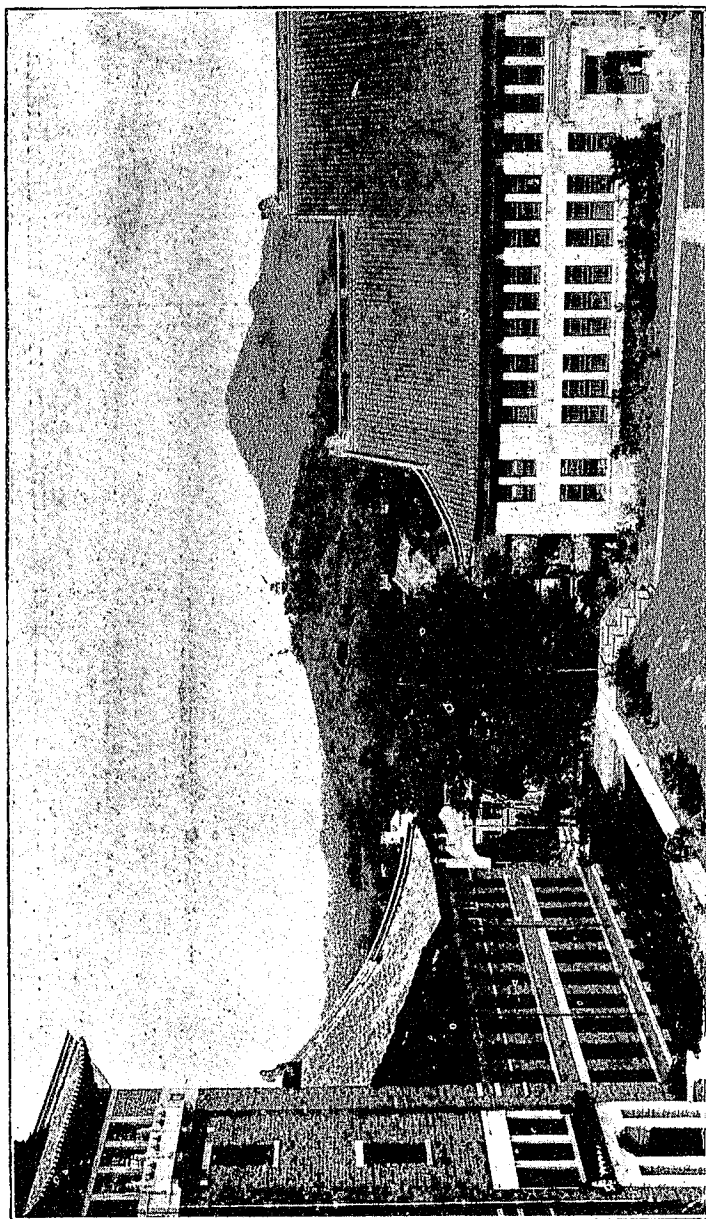
VOLUME EIGHT, NUMBER ONE





Gate house, built in 1931, which includes a reception room and mail distribution centre.





Part of Severance Hall (Administration Building) to the left, and Swasey Hall (Science Building) to the right. Peh Chi Ko (North Pole Star Hill) in the distance, now topped by the Government Meteorological Station, with Purple Mountain in the back ground.

Vo. VIII. UNIVERSITY OF NANKING  
BULLETIN

No. 1.

# CATALOG

DECEMBER  
1931

SHANGHAI:  
1932

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## CALENDAR

### Autumn Semester 1931

Registration - - - - - Sept. 1-3, Tuesday-Thursday.  
 Classes begin - - - - - Sept. 4, Friday.  
 General faculty meeting - - - - - Oct. 3, Saturday.

#### Holidays:

National celebration day - - - - Oct. 10, Saturday.  
 Field day - - - - - Oct. 17, Saturday.  
 Dr. Sun's birthday - - - - - Nov. 12, Thursday.  
 Christmas - - - - - Dec 25, 26, Friday, Saturday.  
 New Year - - - - - 1932 Jan. 1-3, Friday-Sunday.  
 Autumn semester closes - - - - - Jan. 17, Sunday.  
 Winter vacation - - - - - Jan, 18-31.

### Spring Semester 1932

Registration - - - - - Feb. 1-3, Monday-Wednesday.  
 Classes begin - - - - - Feb. 4, Thursday.  
 General faculty meeting - - - - - March 5, Saturday

#### Holidays:

Memorial of Dr. Sun's death - - - March 12, Saturday  
 Memorial of seventy-two martyrs - March 29, Tuesday  
 Spring vacation - - - - - April 1-7, Friday-Thursday.  
 Field day - - - - - April 23, Saturday.  
 Founding of National Government - May 5, Thursday.

Class day - - - - - June 18, Saturday.  
 Baccalaureate Sunday - - - - - June 19, Sunday.  
 Commencement - - - - - June 20, Monday.  
 Spring semester closes - - - - - June 25, Friday.  
 Summer vacation - - - - - June 25-Aug. 31.

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 Irving C. C. Chu (1933)  
 Wang Peh Chu Hwei (Presbytery):  
 C. L. Irwin (1931)

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OFFICERS OF ADMINISTRATION AND  
INSTRUCTION

Autumn 1931

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\*Part time.

††Also Secretary to the Dean.

†Also teaching Sociology.

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†Member of Library Staff.

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Note: Several other members of the University faculty are responsible for courses in Religion given on Sunday.

## Department of Sociology

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||Also teaching Education.

†Also teaching English.

§Also teaching Economics.

\*Part time.

†Member of the faculty of the College of Arts.

††University Librarian.

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楊世銘 YANG SHI-MING.

## Department of Mathematics

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張濟華 CHANG TSI-HWA, B.A. (Nanking).

†Member of the faculty of the College of Arts.  
§Secretary of the University.



吳詠懷 WU YUIN-HWAI, B.S. (Nanking).  
潘廷洸 PAN TIN-KWAN, B.S. (Nanking).

#### Department of Physics

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#### Department of Zoology

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\*Part time.  
†Dean.

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康 瀚 KANG HAN, B.S. (Nanking). Chinese Secretary to the Dean.  
安德生 ANDERSON, Miss HILDA M., B.S. (Cornell). English Secretary.

#### Department of Agricultural Economics

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喬啓明 CHIAO CHI-MING, B.S. (Nanking).  
徐 澄 HSU CHEN (PAUL C. HSU), B.S. (Nanking). On leave for study in the United States.  
邵德馨 SHAO TEH-ESING, B.S. (Nanking).  
孫文郁 SWEN WEN-YUH, B.S. (Nanking); M.A. (Stanford).

#### ASSOCIATES

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沈憲耀 SHEN HSIEN-YAO, B.S. (Nanking).  
崔俊毓 TS'UI RUH-TSUIN, B.S. (Nanking).  
尉遲秀藻 WEI CHI SIU-TSAO, B.S. (Nanking).  
楊銘崇 YANG MING-TSONG, B.S. (Nanking).  
葉 懋 YIEH MEO, B.S. (Nanking).  
應廉耕 YING LIEN-KEN, B.S. (Nanking).

#### Agricultural Chemistry

唐美森 \*THOMSON, JAMES CLAUDE, B.S., M.S., B.D. (Rutgers); M.S. (Columbia). On furlough.

\*Member of the faculty of the College of Science.

**Department of Agricultural Extension**

周明懿 CHEO MING-I, B.S. (Nanking). Acting Head of the Department.

李振綱 LI CHEN-KANG, B.S. (Nanking).

**Department of Agronomy**

沈宗瀚 SHEN TSONG-HAN, B.S. (Peking Agricultural College), M.S. (Georgia), Ph.D. (Cornell). Head of the Department.

洛夫 LOVE, HARRY H., B.S., M.A. (Illinois Wesleyan); Ph.D. (Cornell). Visiting Professor.

張乃鳳 CHANG NAI-FENG, B.S. (Cornell); M.S. (Wisconsin).

郝欽銘 HEH CHING-MING, B.S. (Nanking).

翁德齊 ONG TEH-TSI, B.S. (Nanking). Stationed at Yen-ching Crop Improvement Station.

王綏 WANG SHEO, B.S. (Nanking).

**ASSOCIATES**

張家蔚 CHANG CHIA-WEI, B.S. (Nanking).

張受和 CHANG SHEO-HO, B.S. (Nanking).

常得仁 CHANG TEH-REN, B.S. (Nanking). Stationed at the Yen-ching Crop Improvement Station.

周述才 CHEO SHUH-TSAI, B.S. (Nanking).

彭壽邦 PENG SHEO-PANG, B.S. (Nanking).

畢汝藩 PIH RU-FAN, B.S. (Nanking). Stationed at the Kaifeng Cooperative Station.

沈壽銓 SHEN SHEO-TSUEN, B.S. (Nanking). Yen-ching Crop Improvement Station. (On leave for study in the United States).

謝孟明 SIE MENG-MING, B.S. (Nanking).

孫逸仲 SWEN CHONG-IEH, B.S. (Nanking).

戴松恩 TAI SONG-EN, B.S. (Nanking).

徐天錫 TSU TIEN-SHI, B.S. (Nanking). Stationed at the Yen-ching Crop Improvement Station.

俞斯健 YU SI-CHIEN, B.S. (Nanking).

**Department of Botany**

史德蔚 STEWARD, ALBERT NEWTON, B.S. (Oregon Agricultural College); M.A., Ph.D. (Harvard). Head of the Department.

周蓄源 CHEO SHU-YUEN, B.S. (Nanking).

焦啓源 CHIAO CHI-YUEN, B.S. (Nanking).

俞大紱 YU TA-FU, B.S. (Nanking). On leave for study in the United States.

黃亮 HWANG LIANG, B.S. (Nanking). Plant Pathology.

戴芳滿 TAI FANG-LAN, B.S., M.S. (Cornell). Plant Pathology.

魏景超 WEI CHING-TSAO, B.S. (Nanking). Plant Pathology.

**Department of Forestry**

陳嶸 CHEN YUNG, M.A. (Imperial University, Tokyo), M.S. (Harvard).

朱會芳 CHU HWEI-FANG, M.S. (Preussische Forstliche Hochschule in Hann Münden)

李德毅 LI TEH-I, B.S. (Nanking). On leave for study in the United States.

皮作瓊 \*PIH TSO-CHUEN (Nancy, France).

安事農 \*AN SI-LONG (Imperial University, Tokyo).

**ASSOCIATE**

黃瑞采 HWANG SHUI-TSAI, B.S. (Nanking).

**Department of Horticulture**

胡昌熾 HU CHANG-CHIH, B.S. (Imperial University, Tokyo).

許復七 HSU FU-CHIH, B.S. (California); M.S. (Cornell).

潘劍帷 PAN CHIEN-WEI, B.S. (Nanking).

湯易 TANG IH, B.S. (Nanking). Agricultural Gardens.

**Research Library**

萬國鼎 WAN KWOH-TING, B.S. (Nanking). Chief.

陳祖槃 CHEN TSU-KWEI, B.S. (Nanking).

儲瑞棠 CHU SHUI-TANG, B.S. (Nanking).

\*Part time.

**Department of Rural Education**

- 章元璋 CHANG YUEN-WEI, B.S. (Nanking). Head of the Department.  
 章之汶 CHANG CHI-WEN, B.S. (Nanking). Principal of the Rural Leaders' Training School. (On leave for study in the United States.)  
 陳驥 CHEN CHI, B.S. (Nanking).  
 周國華 CHEO KWOH-HWA, B.S. (Nanking).  
 金振華 CHING CHENG-HWA.  
 劉國士 LIU KWOH-HSI.

**Department of Sericulture**

- 顧鏗 KUH YIN (Imperial University, Tokyo). Head of the Department.  
 單壽父 SHAN SHEO-FU, B.S. (Agricultural College of Imperial University, Tokyo).  
 吳學謙 WOO HSIEH-CHIEN (Mrs. S. F. Shan). (Sericultural College, Tokyo).

**UNIVERSITY LIBRARY**

- 劉國鈞 LIU KWOH-CHUIN, B.A. (Nanking), M.A., Ph.D. (Wisconsin). Librarian.  
 陳長偉 CH'EN CH'ANG-WEI, B.A. (Nanking). Chief of the Circulation Department.  
 曹祖彬 TS'AO TSU-PING, B.A. (Nanking). Chief Cataloguer of Chinese Books.  
 汪兆榮 WANG CHAO-YONG, B.A. (Nanking). Chief Cataloguer of Western Books.  
 周克英 CHEO KEH-YING, B.A. (Nanking). Cataloguer of Western Books.  
 何士芳 HO SI-FANG, B.A. (Nanking). Chief of the Periodical and Pamphlet Department.  
 萬國鼎 WAN KWOH-TING, B.S. (Nanking). Chief of the Research Library.  
 陳祖璽 CH'EN TSU-KWEI, B.S. (Nanking). Indexer, Research Library.  
 儲瑞棠 CHEU SHUI-T'ANG, B.S. (Nanking). Associate Editor, Research Library.

**STANDING COMMITTEES OF THE FACULTY****University:**

- University Council
- University Council Executive Committee
- Admissions Committee
- Business Committee
- Campus Committee
- Library Committee
- Physical Education Committee
- Publications Committee
- Religious Committee
- Sanitation and Hygiene Committee
- Social Committee
- Building and Property Committee

**The Colleges:**

- Discipline Committee
- Instruction and Student Work Committee

## UNIVERSITY OF THE STATE OF NEW YORK

## Charter of

## THE UNIVERSITY OF NANKING

**This Instrument Witnesseth:** That the Regents of the University of the State of New York have granted this charter incorporating Ralph E. Diffendorfer, Eben B. Cobb, Stephen J. Corey, F. Watson Hannan, Louis H. Severance, Archibald McLean, Frank A. Horne, Robert E. Speer, Joab H. Banton and their associates and successors, under the corporate name of The University of Nanking, to be located in the city of Nanking, in the Province of Kiangsu, in the Empire of China, with nine trustees to be at first the persons named as incorporators to hold in the order of their naming, the first three for the year 1911, the second three for the year 1912, and the last three for the year 1913, and their successors to hold for terms of three years, to be chosen three each year—one by the Board of Foreign Missions of the Methodist Episcopal Church, one by the Foreign Christian Missionary Society, and one by the Board of Foreign Missions of the Presbyterian Church in the United States of America.

Other incorporated missionary organizations may, at any time, be affiliated with and made constituent, trustee-electing members of the corporation of the university, by the favoring vote of the managing boards of all of its then existing such constituent bodies; and each such so added constituent body shall be entitled to choose, as its representative, or representatives, to hold for a term of three years, an additional associate member, or members, not exceeding three, as the vote of affiliation shall provide, on the Board of Trustees of the University, and to choose, each three years, a successor, or successors, to such representative trustee, or trustees, to hold for a like term.

The trustees elected in accordance with the provisions of the charter granted April 19, 1911, and under the amendment to said charter granted December 12, 1912, may elect additional trustees to such a number that the total membership of the board shall not exceed twenty-four. The terms of office of one-third of the number of trustees thus elected shall expire each year and their successors shall be elected for terms of three years each. After the first election of said additional trustees, their successors shall be elected by the entire Board of Trustees.

The University shall have power to acquire by grant, gift, purchase, devise or bequest, and hold and dispose of such real

and personal property as the purposes of the corporation shall require. It may have departments of elementary, secondary and higher education, and may affiliate with its work other schools giving instruction in either of the said departments; but it shall not have power to confer degrees, except as shall be hereafter authorized or approved by the Regents of the University of the State of New York.

SEAL St. Clair McKelway,  
Vice Chancellor.

A. S. Draper,  
Commissioner of  
Education.

Granted April 19, 1911, by the Regents of the University of the State of New York, executed under their seal and recorded in their office. Number 2132.

SEAL St. Clair McKelway,  
Vice Chancellor.

Amended May 2, 1912, by the Regents of the University of the State of New York, executed under their seal and recorded in their office. Number 2257.

SEAL St. Clair McKelway,  
Vice Chancellor.

A. S. Draper,  
Commissioner of  
Education.

Amended December 12, 1912, by the Regents of the University of the State of New York, executed under their seal and recorded in their office. Number 2309.

SEAL Chester D. Lord,  
Chancellor.

Frank P. Graves,  
President of the  
University.

Amended October 18, 1923, by the Regents of the University of the State of New York, executed under their seal and recorded in their office. Number 3301.

## GOVERNMENT REGISTRATION

The constitution of the Board of Directors of the University of Nanking fulfils the requirements of the Ministry of Education, and the Board's registration with the Ministry is hereby authorized.

SEAL Ministry of Education

August 8, 1928.

The University of Nanking being organized in accordance with the regulations promulgated by the Ministry of Education, the Ministry hereby authorizes the registration of the University.

SEAL Ministry of Education

September 20, 1928.

**HISTORY AND ORGANIZATION**

The University of Nanking began with the union effected in February 1910 of the higher educational work in Nanking of the Board of Foreign Missions of the Methodist Episcopal Church, of the United Christian Missionary Society, and of the Board of Foreign Missions of the Presbyterian Church in the United States of America. Previous to the union these three Missions had been developing schools independently for about twenty-two years. The American Baptist Foreign Mission Society entered the union in 1911 as a partially co-operating Board and its cooperation is now confined to the College of Agriculture. In 1911 the University was granted a charter by the Regents of the University of the State of New York, and on September 20, 1928, it was registered by the National Government, being the first mission institution to be so registered.

For purposes of administration the University is organized into administrative units, each with its separate dean or corresponding officer and with its separate faculty or staff. The present administrative units take rank and precedence in the following order:

1. The College of Arts until 1930 combined with the College of Science to form the College of Arts and Science.

Affiliated with the College of Arts is the Institute of Chinese Cultural Studies, established in 1930 and financed with funds from the Charles M. Hall estate, administered through the Harvard-Yenching Institute.

2. The College of Science, separated from the College of Arts in 1930.

3. The College of Agriculture, so registered with the National Government, formerly known as the College of Agriculture and Forestry, a combination of the Agricultural Department opened in the autumn of 1914 and of the Forestry School opened in the spring of 1915.

4. The University Library, designated as a separate administrative unit in 1922.

5. The University Hospital and the School of Nursing. The Hospital was founded by Dr. W. E. Macklin of the United Christian Missionary Society and became part of the University Medical School in 1914. In 1917, at the time missionary medical education in East and North China was reorganized, the Hospital was taken over from the University Medical School. In September, 1918, a School of Nursing was opened in connection with the University Hospital.

6. The University Middle School, organized into a six-year middle school in the autumn of 1924.

**PROPERTY**

The University owns approximately one hundred and eighty-six acres of land outside the city, which is being used as farm land and for experimental purposes in connection with the College of Agriculture; and one hundred and nineteen acres inside the city, a good deal of which is also being used for experimental work in agriculture.

The college buildings consist of

**Severance Hall**, the administration building, situated at the head of the college campus, beneath the Drum Tower. It is the gift of Mr. John L. Severance of Cleveland and his sister, Mrs. F. F. Prentiss, in memory of their father.

**Swasey Hall**, the science building, the gift of Mr. Ambrose Swasey, also of Cleveland.

**Bailie Hall**, so named in honour of Mr. Joseph Bailie, who started the agricultural work of the University, erected with funds from the Rockefeller Foundation, the China Famine Fund Committee, and several American friends of the University.

**Sage Memorial Chapel**, erected with funds received from the Russell Sage bequest.

**Keen Hall**, in memory of the late Mr. C. S. Keen, Dean of the Language School, being used temporarily for research work in agricultural economics and Chinese culture, and for alumni offices.

**Dormitories.** Madam Cyrus H. McCormick of Chicago made a gift for the erection of dormitories, known as the McCormick Dormitories, west of the college buildings. The third and largest of this group was constructed with supplementary funds from Mr. Dwight H. Day, of the Board of Foreign Missions of the Presbyterian Church in the United States of America.

Other and older dormitories are situated to the east of the college buildings and are part of the contribution of \$40,000 in money or land and buildings of the United Christian Missionary Society, which was one of the items in the basis of union.

**Meigs Hall,** built for a dormitory for language students, is being used temporarily to accommodate unmarried members of the staff.

**Residences.** Scattered about the campus are residences for members of the faculty and staff. A large proportion of these have been donated by cooperating missions or by private donors.

**Other buildings** include the plant of the Rural Leaders' Training School conducted in connection with the Department of Rural Education and situated northwest of the college campus; a temporary gymnasium; a gate house; and a gas plant.

**The Middle School** campus occupies the site of the former Methodist institution, Nanking University, which united with the preparatory schools of the Presbyterian Mission and the United Christian Missionary Society to form the University of Nanking.

**The University Hospital** occupies part of the site of the former Christian Mission Hospital and consists of a hospital building containing a special memorial unit and general wards, a dispensary building, an operating pavilion, a home for women nurses, and the Peden Nurses Home for men nurses and male members of the staff. The Hospital also owns several residences for housing its staff.

## THE MUSEUM COLLECTIONS

The museum collections are located in Severance and Swasey Halls. There are about three thousand specimens, including material for classroom work and for investigators, and exhibits for the public. Notable among these specimens are Professor William Millward's series of Silurian and carboniferous fossils of China, collections of corals, molluscs, six hundred geological specimens from the British Isles, and three hundred found in China; also a loan collection of Chinese Bibles and Scripture portions. In Bailie Hall are sundry collections of the College of Agriculture and of the College of Science, particularly the zoological and forestry exhibits, and a large and representative herbarium.

## STUDENT LIFE AND ACTIVITIES

The University offers students an opportunity to prepare themselves for future service and to take their part in the moulding of public opinion along ethical and Christian lines. All forms of student life and activity, therefore, which involve wholesome recreation, cultural development, or student leadership are encouraged, and the following clubs and societies have been organized: the Arts, Science, and Agriculture and Forestry Associations, the Economics Society, Education Club, English Club, History Club, the Political Science Club, affiliated with the International Relations Clubs and forming the seventh International Relations Club in China, the Sociology Club, Social Research Club, Applied Chemistry Society, Mathematics Society, Physics Society, Plant Breeding Society, Glee Club, Photographic Club, the University Orchestra. The Y. M. C. A. and Fellowship Group are made up of students interested in religious thought and life. There is a regular service on Sunday mornings, and a weekly prayer meeting, besides chapel services twice a week.

All students are given a complete physical examination every year.

**PHYSICAL WELFARE AND ATHLETICS**

The Department of Physical Education is under the supervision of a trained physical education director. This department aims to give all students an opportunity to develop their bodies through various forms of calisthenics, games, marching and apparatus exercises. Physical examinations are given each year. The University is represented in all forms of intercollegiate sports and the students have every opportunity of representing the University on these teams.

The Department of Physical Education has available for the students ten tennis courts, a football field, a running track, a modern gymnasium which is well equipped, bath-rooms with shower baths, and a first-aid room where daily medical attention is given to the students. Classes in physical education, including military instruction, are now required of freshmen, and a program is being planned to give all classes an opportunity for electing physical education courses.

**FEES AND EXPENSES**

Following is a schedule of fees for each semester in all departments except those of the Hospital (page 151), the School of Nursing (page 152), and the special courses in the College of Agriculture (pages 53-55), the fees for which will be found on the pages indicated.

**REGULAR SEMESTER FEES**

	Colleges	Middle School
Tuition .....	\$45.00	\$42.00
Board .....	—	32.00
*Room .....	\$7.00 to 10.00	10.00
Incidentals .....	7.00	6.00
Day students .....	(5.00)	(6.00)
Athletics .....	3.00	3.00
Medical fee .....	1.00	1.00
Library fee .....	1.00	—
University magazine .....	1.00	1.00
Student organization .....	.50	.50

College membership .....	.50	—
Total for boarding students .....	**\$69.00	\$95.50
Total for day students .....	59.00	63.50

\*Students remaining through the summer or winter vacations are charged extra for their rooms.

\*\*Students who live in the college dormitories are not provided with meals by the University.

**SPECIAL FEES**

	Colleges	Middle School
Matriculation fee .....	\$2.00	\$2.00
Deposit by new students (to be applied on tuition if students pass entrance examinations; refunded if they fail; but retained in case of cheating or non-registration) .....	4.00	—
Late fee for old students .....	2.00	2.00
Late fee for changing course .....	1.00	1.00
Fee for removing D, C, or B from record .....	1.00	—
Key deposit (charged once to all students living in the dormitories, returnable when they finally leave school);		
Yale lock .....	4.00	—
Ordinary lock .....	1.00	—
Uniform .....	3.00	10.00
Student badge .....	1.00	1.00
Diplomas .....	12.00	—
Rent of cap and gown .....	2.00	—
Graduate students, per credit for semester .....	3.00	—
Special students, per credit per semester:		
Old students taking 1 to 4 credits .....	2.00	—
Old students taking 4 to 12 credits .....	3.00	—
Old students taking over 12 credits .....	full tuition	—
New students .....	4.00	—
Visitors in the colleges, for semester .....	5.00	—

**LABORATORY AND MATERIALS FEES**

Agricultural Economics 154 .....	1.00
" " 140, 150, 151, 155, 156, 157, 163, 168, 170 .....	2.00
" " 158, 160, 161, 166, 167 .....	3.00

Agronomy 160, 161 .....	.50
„ 140, 141, 167A, 167B .....	1.00
„ 142, 150, 151 .....	1.50
„ 144 .....	12.00
Botany 156, 165 .....	1.00
„ 141, 152, 153, 162, 163 .....	2.00
„ 131, 154, 161 .....	3.00
„ 151, 164 .....	5.00
Chemistry: Every course except Chemistry 133, 134 (including breakage deposit) .....	12.00
„ 133, 134 (including breakage deposit) .....	15.00
Horticulture. For each course with laboratory .....	2.00
Forestry: Dendrology 150, 151; Forest Engineering 150; Forest Utilization 150; Silviculture 151, 152 .....	1.00
Forest Utilization 160 .....	2.00
Physics 145, 146, 148, 150, 152, 153A, 154A, 156, 157, 158, 159, 164A, 164B, 171 .....	.50
„ 136 .....	1.00
„ 140, 143, 147, 151, 167A, 169 .....	4.00
„ 120 .....	7.50
„ 130, 131, 133, 134, 142, 153B, 154B, 163, 169T .....	8.00
Zoology 132, 140, 141, 142, 155, 156, 157, 158, 161, 162, 165 ...	3.00
„ 144, 151 .....	5.00
„ 154 .....	10.00
Materials fees for certain arts and other courses in which materials are furnished .....	1.00 to 3.00
Middle School science courses, fees ranging from ...\$1.00 to \$3.00	
For each course in manual training in the Middle School .....	2.00

Fees must be paid in advance at the beginning of each semester. Payment must be made in cash or by voucher signed by a responsible guarantor known to the Treasurer. Students withdrawing during the semester will have no fees refunded; but in cases of prolonged and excused illness or in other exceptional cases, unused tuition fees may be applied to the dues of the following semester if the President's approval in writing is secured during the semester in which the fees were paid. Unused board and laboratory fees are subject to refund in accordance with the rules of the University.

### SCHOLARSHIPS

Each cooperating Mission is allowed to register a limited number of students in any department without tuition.

Students whose rank falls below Group III as an average for a single semester are not continued on the scholarship list of any Mission.

**Shanghai Commercial and Savings Bank Scholarship.** Through the generosity of this Bank two scholarships of \$90.00 a year each are given to the freshman and sophomore with the highest scholarship.

**The Fayette and Marcella Wood Memorial Scholarship Fund.** amounting to \$1,000.00 United States currency, was established in 1924. The income is used for the benefit of one or two worthy students, preferably those preparing for the ministry.

**The Harriet M. Williams Scholarship Fund** of \$1,000.00 United States currency, was established in 1922. The income from this fund is used to help worthy Presbyterian students in the College of Arts.

One **Tuition Scholarship** is available for a needy student in the College of Arts.

A few **Educational Scholarships** covering tuition are granted to needy students with good academic records.

**Sherwin Scholarship Fund.** In 1914 Mr. Henry A. Sherwin made a gift of \$5,000.00 United States currency to the University, the interest on which was to be used in assisting worthy students in the Medical Department of the University. Permission has recently been granted the University to extend to Christian middle schools whose graduates are entering the University, or to schools of equal standard, the privilege of sending students to the University under this fund, on the following conditions: (1) that they be Christians, (2) that they have grades above 85 per cent or be in Group 1, and (3) that preference be given to students taking premedical work, but that should they change from the premedical to some other course they refund the amount received on this scholarship. It is understood that the original restrictions be in force if and when students are available to meet the conditions.

**The Robert T. Ting Scholarship** of \$150.00 a year is open to science students.

**The A. J. Bowen Scholarship** is being established in honour of Dr. A. J. Bowen, former President of the University of Nanking, with funds set aside from interest on the Methodist Scholarship Fund built up by him from gifts received during his years in China. The scholarship is open to Christian students of ability in the College of Science, the income from the fund



being used to pay their tuition fees. Scholarships are granted for one year only but may be renewed for not more than three succeeding years. Applications must be presented in writing to the Dean of the College of Science not later than April first of each year.

The following funds are available for scholarships in the College of Agriculture:

**Forestry Fund Loan Scholarship Fund.** This fund of \$5,000.00 Chinese currency was established in 1919 by the Forestry Fund Committee, Shanghai, to be used as a revolving loan fund. Loans made to students are repayable annually after graduation in the amount and order in which they were received until the total loans have been repaid.

**Famine Fund Loan Scholarships.** The Famine Fund Loan Scholarships are granted to needy agricultural students. Loans made are repayable after graduation in the amount and order in which they were received. The fund was established in 1924-1925.

**Famine Fund Cooperative Scholarships.** The Famine Fund Cooperative Scholarships were established to enable the cooperating stations to send their most promising students to the College of Agriculture for college training. The amount of the scholarship varies according to the need of the student but does not exceed \$200.00 Chinese currency a year for any individual student. After graduation the students receiving these scholarships return to their stations to assist in carrying on the cooperative work with the College of Agriculture.

**The John S. Griffing Memorial Fund.** This fund was established as a loan fund to students in the Department of Rural Education. Money is loaned at six per cent interest for a period of two or three years on receipt of a note, signed by the student and a guarantor acceptable to the Head of the Department of Rural Education.

**The Robinson Memorial Scholarship** is awarded to students in the Department of Rural Education under the same conditions as those applying in the case of the John S. Griffing Memorial Fund.

## ADMISSION

### The Colleges\*

**Application.** All applicants for admission are required to make formal application on the regular application forms, which may be obtained from the Registrar. All applications must be in the office of the Registrar, completely filled in, not later than the time specified in the University calendar. Forms 1 and 2 are required to be filled in by those who apply for admission to the freshman class. Form 1, which gives the history and training of the applicant, must be sent to the Registrar by the applicant himself, and must be accompanied by a matriculation fee of \$2.00, by a deposit fee of \$4.00, by two pictures of the applicant, one of which should be pasted in the blank space provided, and by a catalogue of the school or schools from which he comes. The deposit fee of \$4.00 will apply on the tuition fee if the applicant passes the entrance examinations and will be refunded if the applicant fails in the entrance examinations. Form 2, which includes a certified statement of his conduct and scholastic work in the secondary school, must be filled in by the principal of the school from which the applicant comes, **must be sent directly to the Registrar by the principal**, and must be accompanied by a third picture showing on the back the name of the applicant, the signature or seal of the principal, and the seal of the school. This third picture must be a print from the same negative as that of the first two pictures sent in by the applicant. Form 3 is prepared for applicants who desire to be given credit by this University for work done in another college or university. It must be filled in by the Dean or Registrar of the college from which the applicant comes, **must be sent directly to the Registrar**, and must be accompanied by a picture showing on the back the signature of the Dean. This picture also must be a print from the same negative as that of the first two pictures sent in by the

\*For detailed information concerning admission, write to the Registrar for a copy of the Announcement to Prospective Students, printed in Chinese.

applicant. The Registrar reserves the right to reject any application which is incomplete in any particular or late in arrival. Applicants are advised to allow ample time for delay in mails or in transportation.

**Entrance Examinations** are given in July and August for the autumn semester and in February for the spring semester. No special examinations can be given for those who arrive late or who for any other reason are absent from the regular examinations. The entrance examinations are based on graduation from a recognized six-year middle school. The examinations will be in the Party Principles, Chinese, English, Geography, History, Mathematics, the Natural Sciences, and the Social Sciences. Examinations for advanced standing are arranged for those applicants who have done work in a recognized college. (See Advanced Standing, below).

**Registration.** After complying with all of the above regulations and satisfactorily passing the entrance examinations, the applicant is given a Certificate of Registration, which permits him to register as a regular student in any of the colleges of the University. As soon as a student is registered in the University the Registrar makes a careful investigation concerning all the facts presented by him. If any facts are found to be not as represented, the student may be asked to leave the University, forfeiting all fees paid; and if at any time, either before or after the time of the entrance examinations, the Registrar for any reason suspects the validity of any statement made, he may require a deposit with the Treasurer of the University, which will be returned if the facts are found to be as represented but forfeited if the facts are found not to be as represented.

**Advanced Standing.** Applicants for admission with advanced standing must be students of high standing and with honorable dismissal from other recognized colleges or universities, must fulfil all the entrance requirements, must apply for advanced standing at the time when they send in

their application blanks, must have in the office of the Registrar Application Form 3 properly filled in, and must have proper evidence (including note-books) of work taken in another college for which credit is asked. Such applicants are required to take the general entrance examinations in Chinese and English, and, if they pass these, they may be permitted to register in the University as unclassified regular students. After they have been registered in the University, they may be further required to pass tests in certain subjects for which advanced standing is desired. The Registrar reserves the right to reject the application of any student whose record in another college is unsatisfactory. No applicant will receive credit for courses completed elsewhere without presenting a transcript of the record of all work done by him in the college or university from which he comes. This transcript of his record, or Form 3, must be signed and sent directly to the Registrar by the Registrar or Dean of the college in which the work was done so as to be in the Registrar's office of the University not later than the date specified in the University calendar on which applications are due. No credit will be given for advanced standing for which application is made after the end of the student's first semester at the University.

### REGISTRATION

All students should register on the days specified in the University Calendar. Late registration is allowed only when a student has filed with the Registrar before the opening of school a statement giving reasons for late arrival which have been approved by Registrar. In no case will a student be permitted to register after the second week of a semester, and all absences previous to registration will be counted as unexcused absences and not as cuts.

### RULES

Students are furnished with copies of the general rules of the Colleges, which they are required to observe as well as

the supplementary announcements posted on the bulletin boards.

### CREDITS

A credit is equivalent to three hours of work a week each semester by a normal student either for preparation, recitation, laboratory, or field work.

### AMOUNT OF WORK PERMITTED

The normal amount of work for a college student is sixteen credits a semester, exclusive of credits in physical education, military instruction, and Party principles. A student may be permitted to take more or required to take less than sixteen credits under conditions prescribed in the rules of the Colleges. At any time during the semester a student whose work is unsatisfactory may be required to take less than normal work on the recommendation of his Dean or Adviser.

### GRADING

The group system is used in grading scholarship. The students in each class are divided into five groups, five per cent in Group I, twenty per cent in Group II, fifty per cent in Group III, twenty per cent in Group IV, and five per cent in Group V. Group I indicates the highest achievement in the class and Group V the lowest. When the group number is followed by a letter, the letter B indicates that the breakage fee or other material fees are unpaid; C, a condition; D, deficient or incomplete work; F, failure; and L, that the student left the class before the end of the semester. The letters B, C, D, may be removed under conditions prescribed in the rules of the Colleges.

### CLASSIFICATION

After admission to the Colleges, students are usually classified according to the number of credits gained.

### TRANSCRIPT OF CREDITS

Any regular student withdrawing from the University after one full semester or more is entitled to an official transcript of all work done in the University. Additional copies may be secured on payment of one dollar for each copy. The transcript of record is sent directly to the institution to which the student transfers.

Students who transfer to other institutions and later desire to return to the University and receive credit for the work done elsewhere must follow the same procedure as those entering the University for the first time. Students who apply for a transcript of record but fail to transfer to another institution may be readmitted to the University under the same conditions prescribed in the rules for former students re-entering the University.

### ABSENCES

Students are allowed a certain number of absences without loss of credits, which are known as "cuts." The number of cuts permitted during a semester in any course must not exceed the number of class meetings each week. When classes meet irregularly, five per cent of the total number of class meetings during the semester is allowed. Students working under faculty direction or who are sent on special missions by the University are allowed a maximum of twenty per cent of the total number of meetings of each of their classes.

For every fifteen absences or fraction thereof beyond the cuts allowed, half a credit is deducted from the total number of credits gained, up to thirty-three per cent of the total number of class meetings. No credit is given for a course where absences amount to over this percentage.

### REQUIREMENTS FOR GRADUATION

The completion of 142 credits, including all required work, is necessary for graduation from the Colleges. In

addition, all candidates for graduation must be approved by the faculty as to their character and general fitness to receive a degree.

The University confers the bachelor's degree in arts, science, agriculture, and forestry through the Regents of the University of the State of New York, under whom it is incorporated. Diplomas sealed by the Ministry of Education are also granted. A certificate is issued to students who complete the Special Course in Chinese and the Premedical Course.

#### RESEARCH PUBLICATION

The Nanking Journal is published semi-annually and serves as the channel through which the results of the research undertaken by members of the faculty and advanced students are conserved.

#### UNIVERSITY LIBRARY

The University Library is located on the north side of the second floor of Severance Hall. The reading room is open from 8.00 a.m. to 10.00 p.m. on week days, and from 1.30 p.m. to 10.00 p.m. on Sundays. On holidays announcement is made concerning the hours when the Library is open.

On June 30, 1931, the library collection consisted of 83,878 books in Chinese, 20,928 in Western languages, and 44,973 pamphlets, a total of 149,779 volumes. Among these, special mention should be made of the collection of Chinese official gazetteers gathered from 1,700 localities, an invaluable source of information in social and economic studies of China. The Keen Memorial Collection of books relating to the Far East, purchased with funds subscribed by the students and other friends of the late Charles Scull Keen, Dean of the Department of Missionary Training of the University, and the books and periodicals on Sinology acquired through the Institute of Chinese Cultural Studies will, in time, become indispensable to research study. The Library also maintains a branch in the Middle School for the use of the faculty and students of that administrative unit of the University.

The Library is a designated depository for the Carnegie Endowment for International Peace, the Carnegie Institution of Washington, and the League of Nations. Through generous arrangements of gift or exchange it receives the publications of the Academia Sinica and of many departments of the National Government in China; of the Field Museum of Natural History, the Smithsonian Institution, the Department of Agriculture, the Geological Survey, the National Museum, the Public Health Service, and the Bureau of Standards of the United States; and also of various agricultural, cooperative, educational, historical, religious, and scientific organizations of China, Australia, Canada, Denmark, Egypt, England, Germany, Hawaii, India, Japan, Mexico, New Zealand, Palestine, Philippine Islands, Russia, South Africa, and the States of the United States.

The Library has maintained since 1923 a special department designated as the Research Library, the aim of which is to make known both the extent and the content of the literature pertaining to agriculture and famine, especially as contained in old Chinese books and Chinese official gazetteers. Recently effort has been concentrated more and more on editorial and research work, the result of which will appear in time in the form of publications.

## THE COLLEGE OF ARTS

### General Statement

The College of Arts is organized, in accordance with the "College Regulations" issued by the Ministry of Education, for the purpose of cultivating men and women of scholarly attainment, specialists, and trained workers to serve China effectively in various fields. It offers a special course of two years to those planning to teach Chinese in secondary schools, and four years of work in the following subjects: Chinese, Economics, Education (including Psychology and Library Science), Foreign Languages (English, French, German, and Japanese), History, Philosophy, Political Science, Religion, and Sociology.

Students are required to take all the freshman courses listed below:

<i>Autumn</i>	<i>Credits</i>	<i>Spring</i>	<i>Credits</i>
Chinese 130 (Literary Forms) .....	4	Chinese 132 (Introduction to Sinology) .....	4
English 130 (Freshman English for Arts Students) .....	4	Economics 130 (Principles of Economics) .....	4
History 130 (History of China in the Past Hundred Years) .....	4	English 135 (Reading and Composition) .....	4
Psychology 130 (Elementary) .....	4	History 134 (Modern European History) ...	4
Party Principles 130 .....	2	Party Principles 131 .....	2
Physical Education 130 ...	1	Physical Education 131 ...	1
	<hr/> 19		<hr/> 19

Each student in the College of Arts, at the beginning of his sophomore year, shall select his major and minor (which shall be closely related to his major), after which the Dean will assign him to an Adviser, with whom he shall plan his work and with whose approval his courses shall be assigned each semester. No change in choice of major or minor shall be made except at the discretion of the Adviser.

A major consists of thirty-two to forty-eight credits in one department; a minor of twenty to twenty-eight.

In addition to the required courses in his major and minor subjects, each student is required to take the following courses in his sophomore year:

	<i>Credits</i>
History 135 (Modern European History—continued) .....	4
Philosophy 140 (Theory of Scientific Method) .....	4
Zoology 132 (General Biology) .....	4
Military Instruction 140, 141 .....	4

The required courses in a major or minor subject are indicated under the description of courses in that subject. In addition to these and other required courses already listed, every student before graduation is required to elect sixteen credits of work in Language (eight in Chinese and eight in English, except in cases where Chinese or English is a major subject, when French, German, or Japanese may be substituted); twelve credits in social science; and twelve credits in natural science; and to take Military Instruction 150, 151, four credits. In natural science a student may select twelve credits from the following list:

	<i>Credits</i>
Astronomy 140 (General) .....	3
Chemistry 135 (General Chemistry for Non-science Students) .....	4
Geology 140 (General) .....	3
Mathematics—any courses in general mathematics, of which Mathematics 133 should be one .....	4
Physics 133 (General Physics III) .....	4
Zoology 152 (Genetics and Eugenics) .....	3
Zoology 153 (Organic Evolution) .....	2

Every student is required to give first place to courses in his major subject when they are offered, until the requirements for major are completed. Courses in his minor subject shall rank second in choice, other required courses third, and electives fourth.

#### Special Chinese Courses

A special course in Chinese has been established, primarily for the purpose of training teachers for middle schools and for the benefit of those wishing to study Chinese literature and the classics.

The course is open to students who have completed the regular course of a provincial or a registered private senior middle school or who have completed the subfreshman course of a national or registered private college or university. Only students who have passed the general entrance examinations are eligible to take this course.

The course covers two school years or four semesters. Upon the satisfactory completion of all the required courses and the securing of sixty-four credits, a certificate of graduation will be granted.

Students taking the special course in Chinese may transfer into any of the Colleges of the University with the consent of the Dean of the College which they desire to enter and on fulfilling all college entrance requirements.

Students taking the special course in Chinese are charged the regular college tuition and other fees.

The curriculum includes Chinese and the social sciences. All the following first year courses are required, but in the second year students may choose any one of the elective courses listed below on permission being granted by the Head of the Department of Chinese or the Dean of the College of Arts. They may also elect some courses in the Department of Chinese in addition to those listed.

#### FIRST YEAR REQUIRED COURSES

<i>First Semester</i>		<i>Second Semester</i>	
	<i>Credits</i>		<i>Credits</i>
Chinese 130 (Literary Forms) .....	4	Chinese 134 (Elementary Etymology) .....	3
Chinese 132 (Introduction to Sinology) .....	4	Chinese 135 (Chinese Bibliography) .....	3
English 130 (Freshman English for Arts Students) .....	4	Chinese 140 (Introduction to Literature) .....	3
History 130 (History of China in the Past Hundred Years) .....	4	Psychology 130 (Elementary Psychology) .....	4
		Philosophy 140 (The Theory of Scientific Method) .....	4
	16		17

## ELECTIVE COURSES

		<i>Credits</i>
Chinese	141 (Contemporary Literature) .....	3
"	142A (Ancient Poems) .....	3
"	142B (Selected Essays in Verse) .....	3
"	143 (Selected "Fu"—a genre of poetry or rhythmic prose) .....	3
"	144 (Advanced Composition) .....	3
"	145A, 145B (History of Chinese Literature) two semesters .....	6
"	146 (Selected Tsi—a genre of chants) .....	3
"	147 (Philosophical Essays) .....	3
"	148 (Chinese Short Stories) .....	3
"	149 (Introduction to and History of the Chinese Novel) .....	4
"	150 (Literary Criticism) .....	3
"	151 (Shoh Wen—etymology) .....	3
"	152 (Sheng Yui Hsioh—phonology) .....	3
"	153 (Hsui Ku Hsioh—advanced etymology) .....	3
"	154 (Introduction to and History of the Chinese Classics) .....	4
"	155 (Introduction to Chinese Poetry) .....	3
"	156 (History of the Ts'i—a genre of chants—and Its Technique) .....	4
"	157 (Selected Plays) .....	3
"	158 (History of the Drama and Its Technique) .....	4
"	168 (Method of Teaching Chinese) .....	3
Economics	130 (Principles of Economics) .....	4
Education	140 (Introduction to Education) .....	4
"	142 (Educational Psychology) .....	3
"	144 (Child Study) .....	4
"	145 (Elementary Education) .....	4
"	152 (Psychology of Elementary and Secondary School Subjects) .....	3
History	156 (Historical Methods and Historiography) .....	2 or to be arranged
Political Science	140 (Introductory Course) .....	4
Sociology	140 (General Sociology) .....	4

## INSTITUTE OF CHINESE CULTURAL STUDIES

(Affiliated with the College of Arts)

The Institute of Chinese Cultural Studies was established in March, 1930, on a foundation from the estate of Charles

M. Hall. The fund is administered by the Harvard-Yenching Institute for Chinese Studies, incorporated in Massachusetts.

In accordance with the purpose of the grant to the University of Nanking, the Institute of Chinese Cultural Studies seeks to improve education in Chinese cultural subjects through the securing of competent scholars for the faculty, and by the development of research among the staff of the Institute. Advanced students are encouraged and aided in the acquiring of interest and good methods in investigation.

In the beginning of its work, the Institute has given much attention to the fundamental task of selecting, securing, and cataloguing necessary books and journals to supplement the existing collections in the University Library. Up to August 1931, the Institute provided 23,072 Chinese books, 271 Western books, 260 volumes of the fourteen leading Western journals in Oriental subjects, and 90 volumes of four Japanese journals. It is purchasing all necessary current journals, and maintains such card-catalogs and bibliographies as make all available materials readily accessible to the staff.

## LIST OF RESEARCH PROJECTS

## I. In Press

1. Historical Study of the Fan Library of the Ming Dynasty, at Ningpo, by Chen Teng-yuen.
2. Chronological Biography of Shao Er-yuin, an Historian of the Ch'ing Dynasty, by Hwang Yui-meo.
3. Commentary on the "Ts'u Yuen" (詞源) by Tsai Chen.

## II. Ready for Press

4. A Re-examination of the "Chinese Ancient Spurious Writings" (古今偽書考), by Hwang Yui-meo.
5. Introduction to Oriental Journals in Western Languages, by M. Searle Bates.
6. Philosophy of Yen Si-chai (顏習齋) and Li Shu-ku (李恕谷), by Chen Teng-yuen.
7. A Study of the Authenticity of Chou Kwan (周官), by Chen Teng-yuen.
8. Chinese Philosophy before the Time of Confucius, by Lei Hai-tung.

## III. In Progress

9. Bibliography of the Works of Authors of the Six Dynasties, by Liu Kwoh-chuin.
10. Annotated Bibliography of Chinese Works on the History, Theories, and Technique of Chinese Painting, by Yeh Chi-ying, under the direction of Li Siao-yuen and Lu Feng-tze.
11. A Study of Ennin's (圓仁) Pilgrimage to China, by Wang Chung-ling.
12. Index to the Tsung Shu (叢書)—Encyclopedic Collections, compiled by Li Siao-yuen and Hsi Chuh-tao.
13. A Critical Survey of Chinese Historical Works, by Tsu Tseh-ling.
14. Bibliography of Western Works on China, published during 1921-1930, by Li Siao-yuen.
15. Principles of Chinese Painting, by Lu Feng-tze.
16. The Hsin An School of Painting (新安派), by Wang Tsai-peh.
17. History of Political Thought of the Han Dynasty, by Han Lih-wu.
18. History of Thought during the Six Dynasties, by Liu Kwoh-chuin.
19. Imperial Systems of the Ts'in and Han Dynasties, by M. Searle Bates.
20. Annotated Bibliography of Chinese Bibliographies, by Li Siao-yuen.
21. Causes and Effects of Chinese Civil Wars from the Han Dynasty to the Taiping Rebellion, by Wu Ching-chao.

## THE COLLEGE OF SCIENCE

The College of Science aims to prepare (1) scholars who will either go abroad for further study or carry on research in China, (2) teachers of science in secondary schools or assistants in colleges, and (3) men who desire to go into government service or industry with a sound scientific and technical background. The College offers the degree of Bachelor of Science in the Departments of Chemistry, Mathematics, Physics, and Zoology. In addition to the courses in pure science, a student may pursue one of the following courses:

1. **The Industrial Chemistry Course**, which is subject to its own rules as regards required courses and electives. It leads to the degree of Bachelor of Science. For details concerning this course see pages 43 and 44.

2. **The Premedical Course**, which is specially intended for students who wish to enter a medical college without completing the undergraduate course. It does not lead to a degree. For particulars see pages 45 and 46.

3. **The Electrical Engineering Course**, which is also subject to its own rules as regards required courses and electives. It leads to the degree of Bachelor of Science. For details concerning this course see pages 46 and 47.

## Preparation for Science Teaching

Many of the graduates of the College of Science become teachers, either permanently or for a few years, in secondary schools and colleges. There is, therefore, an urgent call for better science teachers in all schools. The College offers a good opportunity for preparation in science teaching. General Psychology, Educational Psychology, General Methods of Teaching, and other courses in education are offered in co-operation with the College of Arts. Special courses in the teaching of the different sciences are offered by the various departments of the College, with opportunity for supervised teaching and training as laboratory assistants. Students preparing themselves to teach science are recommended to consult the Dean at the time of registration.



**Course of Study**

Each student in the College of Science, at the beginning of his freshman year, shall select his major and minor (which shall be closely related to his major), after which the Dean will assign him to an adviser, with whom he shall plan his work and with whose approval his courses shall be assigned each semester. No change in the choice of a major or a minor shall be made except at the discretion of the adviser.

One hundred and forty-two credits are required for graduation. Fourteen of these shall be for Party Principles, Military Instruction, and Physical Education. Thirty-two to forty-eight credits are required in a major subject, and from twenty to twenty-eight in a minor.

Each student is required to do original research in a selected field under the direction of the department in which he is majoring. The results are recorded in a thesis, for which from two to four credits may be allowed, on the basis of one credit for each seventy-five hours of work done under the personal direction of an instructor.

Every science student is expected to take all the courses listed in the table below. Students interested in science teaching may, in place of some of these courses, substitute other courses in consultation with the Dean and his Adviser.

**FRESHMAN REQUIRED COURSES**

<i>Autumn</i>	<i>Credits</i>	<i>Spring</i>	<i>Credits</i>
Chemistry 131 (General)...	4	Chinese 130 (Literary Forms) .....	4
English 132 (English for Agricultural and Science Students) .....	4	English 136 (Scientific Essays and Composition) .....	4
Mathematics 130 (Plane Analytic Geometry) .....	3	Physics 131 (General Physics II) .....	4
Mathematics 131 (College Algebra) .....	3	Zoology 132 (General Biology) .....	4
Physics 130 (General Physics I) .....	4	Party Principles 131 .....	2
Party Principles 130 .....	2	Physical Education 131 ...	1
Physical Education 130 ...	1		

**SOPHOMORE REQUIRED COURSES**

	<i>Credits</i>
Economics 130 (Principles of Economics) or Sociology 140 (Introduction to Sociology) .....	4
Education 140 (Introduction to Education) .....	4
Military Instruction 140, 141 .....	4

**OTHER REQUIRED COURSES**

Chemistry 159 (History of Science) .....	2
History 136 (Europe Since 1815) .....	4
Philosophy 140 (Theory of Scientific Method) .....	4
Astronomy 140 (General), or Geology 140 (General), or Zoology 152 (Genetics and Eugenics) .....	3
Military Instruction 150, 151 (in junior year) .....	4

**Industrial Chemistry**

A special four-year course in Industrial Chemistry is given in order to meet the increasing demand that is being felt in China for men who can lead in the development of her natural resources. Chemistry is the basis of a great number of manufacturing operations and it is involved either directly or indirectly in almost every industry. The course aims to train chemists who shall be able to control industrial processes and carry on industrial research. It leads to the degree of Bachelor of Science. Students in this course are not subject to the science regulations with reference to majors, minors, and electives, their work being determined by the schedule below, in conference with the head of the Department of Chemistry. The course is open to middle school graduates who have fulfilled the requirements of admission to the Colleges. Specially qualified students may receive advanced standing.

**FRESHMAN YEAR**

<i>Autumn</i>	<i>Credits</i>	<i>Spring</i>	<i>Credits</i>
Chemistry 131 (General)	4	Chemistry 132 (Principles of Inorganic Chemistry) .....	4
English 132 (English for Agricultural and Science Students) .....	4	English 136 (Scientific Essays and Composition) .....	4
Mathematics 130 (Plane Analytic Geometry) .....	3	Physics 131 (General Physics I) .....	4
Mathematics 131 (College Algebra) .....	3		

<i>Autumn</i>	<i>Credits</i>	<i>Spring</i>	<i>Credits</i>
Algebra) .....	3	sics II) .....	4
Physics 130 (General Physics I) .....	4	Zoology 132 (General Biology) .....	4
Party Principles 130 .....	2	Party Principles 131 .....	2
Physical Education 130 ...	1	Physical Education 131 ...	1

## SOPHOMORE YEAR

Chemistry 133 (Inorganic and Qualitative Analysis) .....	4	Chemistry 141A (Inorganic Quantitative Analysis) .....	4
Chemistry 142 (Organic Chemistry I) .....	4	Chemistry 143 (Organic Chemistry II) .....	4
Geology 140 (General Geology) .....	3	Chinese 130 (Literary Forms) .....	4
Mathematics 140 (Differential Calculus) .....	3	Mathematics 141 (Integral Calculus) .....	3
Physics 136 (Mechanical Drawing) .....	2	Military Instruction 141 ...	2
Military Instruction 140	2	Elective .....	1

## JUNIOR YEAR

Chemistry 144 (Advanced Inorganic Quantitative Analysis) .....	4	Chemistry 155A (Physical Chemistry) .....	4
Chemistry 150 (Principles of Chemical Engineering) .....	3	Chemistry 161 (Industrial Chemistry II) .....	3
Chemistry 160 (Industrial Chemistry I) .....	3	History 136 (Europe Since 1815) .....	4
Physics 142 (Electric and Magnetic Measurement) .....	4	Physics 146 (Mechanics) .....	3
Military Instruction 150 ...	2	Military Instruction 151	2
Electives .....	2	Electives .....	2

## SENIOR YEAR

Chemistry 157 (Industrial Analysis) .....	4	Chemistry 166 (Organic Qualitative Analysis) ...	4
Chemistry 162 (Organic Quantitative Analysis) .....	4	Chemistry 169T (Thesis)	2
Economics 130 (Principles of Economics) .....	4	Economics 153 (Business Organization and Administration) .....	4
Physics 147 (Geometrical Optics) .....	3	Philosophy 140 (Theory of Scientific Method) .....	4
Elective .....	1	Electives .....	2

## The Premedical Course

The following premedical course of three years is outlined with reference to the needs of students who feel compelled to enter a medical school as soon as they can meet the entrance requirements. It is urged, however, that as far as possible students complete their full college work before taking up their professional medical course. For such men a special arrangement of courses will be made.

## FRESHMAN YEAR

<i>Autumn</i>	<i>Credits</i>	<i>Spring</i>	<i>Credits</i>
Chemistry 132 (Principles of Inorganic Chemistry) .....	4	Chemistry 133 (Inorganic and Qualitative Analysis) .....	4
English 132 (English for Agricultural and Science Students) .....	4	English 136 (Scientific Essays and Composition) .....	4
Mathematics 130 (Plane Analytic Geometry) .....	3	Mathematics 140 (Differential Calculus) .....	3
Mathematics 131 (College Algebra) .....	3	Zoology 140 (General Zoology) .....	5
Psychology 130 (Elementary Psychology) .....	4	Party Principles 131 .....	2
Party Principles 130 .....	2	Physical Education 131 ...	1
Physical Education 130 ...	1		

## SOPHOMORE YEAR

Chemistry 142 (Organic Chemistry I) .....	4	Chemistry 143 (Organic Chemistry II) .....	4
Mathematics 141 (Integral Calculus) .....	3	Chinese 130 (Literary Forms) .....	4
Physics 130 (College Physics I) .....	4	Physics 131 (College Physics II) .....	4
Zoology 144 (Comparative Anatomy of Invertebrates) .....	5	Zoology 151 (General Embryology) .....	5
Military Instruction 140	2	Military Instruction 141 ..	2

## JUNIOR YEAR

Economics 130 (Principles of Economics) or Sociology 140 (Introduction to Sociology) .....	4	Botany 131 (General) .....	4
		Chemistry 141A (Inorganic Quantitative Analysis) .....	4
		German or French 141	

German or French 140	(Elementary) .....	4
(Elementary) .....	4	
Physics 142 (Electric and	Optics) .....	3
Magnetic Measurement) 4	Elective .....	1
Zoology 152 (Genetics and	Military Instruction 151 ...	2
Eugenics) .....		
Elective .....		
Military Instruction 150 ...		2

**Electrical Engineering**

Power plants, telephone and telegraph systems, and radio telegraph and broadcasting stations are now being rapidly developed in China. The demand for electrical engineers must necessarily be increasingly great. To meet this need, the College of Science offers a special four-year course in Electrical Engineering, for the training of electrical engineers. Students taking this course are not subject to the science regulations with reference to majors, minors, and electives, their work being determined by the schedule which follows, in consultation with the head of the Department of Physics. On completion of the full course, the degree of Bachelor of Science in Electrical Engineering is conferred. The course is open to senior middle school graduates who have fulfilled the requirements for admission to this College. Specially qualified students may receive advanced standing.

**FRESHMAN YEAR**

<i>Autumn</i>	<i>Credits</i>	<i>Spring</i>	<i>Credits</i>
Chemistry 131 (General) 4		Chemistry 132 (Principles of Inorganic Chemistry) 4	
English 132 (English for Agricultural and Science Students) .....	4	English 136 (Scientific Essays and Composition) .....	4
Mathematics 130 (Plane Analytic Geometry) ....	3	Mathematics 138 (Descriptive Geometry) .....	1
Mathematics 131 (College Algebra) .....	3	Mathematics 140 (Differential Calculus) .....	3
Physics 130 (General Physics I) .....	4	Physics 131 (General Physics II) .....	4
Wood Work .....	1	Machine Work .....	1
Party Principles 130 .....	2	Party Principles 131 .....	2
Physical Education 130 ...	1	Physical Education 131 ...	1

**SOPHOMORE YEAR**

<i>Autumn</i>	<i>Credits</i>	<i>Spring</i>	<i>Credits</i>
Chinese 130 (Literary Forms) .....	4	Economics 153 (Business Organization and Administration) .....	4
Economics 130 (Principles of Economics) .....	4	Mathematics 150 (Differential Equations) .....	3
Mathematics 141 (Integral Calculus) .....	3	Physics 146 (Theoretical Mechanics) .....	3
Physics 136 (Mechanical Drawing) .....	2	Physics 150 (Alternating Currents) .....	3
Physics 142 (Electric and Magnetic Measurements) 4		Zoology 132 (General Biology) .....	4
Military Instruction 140 ...	2	Military Instruction 141 ...	2

**JUNIOR YEAR**

Physics 141 (Materials for Construction) .....	3	History 136 (Europe Since 1815) .....	4
Physics 143 (Radio) .....	4	Physics 149 (Telephony and Telegraphy) .....	3
Physics 148 (Principles of Electrical Engineering) 3		Physics 154A (Alternating Current Machinery) ....	4
Physics 153A (Direct Current Machinery) .....	4	Physics 154B (Experimental Alternating Current Machinery) .....	2
Physics 153B (Experimental Direct Current Machinery) .....	2	Physics 156 (Theoretical Electricity) .....	3
Military Instruction 150 ..	2	Military Instruction 151 ...	2

**SENIOR YEAR**

Physics 140 (Heat) .....	3	Philosophy 140 (Theory of Scientific Method) .....	4
Physics 152 (Modern Physics) .....	3	Physics 166B (Electrical Design II) .....	2
Physics 165A (Electrical Power Plants) .....	3	Physics 159 (Thermodynamics) .....	2
Physics 166A (Electrical Design I) .....	2	Physics 167A (Lighting and Illumination) .....	3
Physics 169 (Advanced Telephony and Telegraphy) .....	3	Physics 168A (Electrical Power Transmission) ...	3
Physics 169T (Thesis) ....	2	Electives .....	2

**THE COLLEGE OF AGRICULTURE****General Statement**

The College of Agriculture undertakes work in instruction, extension, investigation, and research in agriculture and forestry. The College is divided into the following departments: Agricultural Economics, Agronomy, Botany (which includes Bacteriology and Plant Pathology), Forestry, Horticulture, Rural Education, Zoology (administered in the College of Science), Sericulture, and Extension.

In addition to the college course of study covering a period of four years, the College of Agriculture also offers a Rural Leaders' Training Course, a Training Course in Sericulture for Girls, and two Correspondence Courses in Forestry. In addition the College is cooperating with a number of Missions in China in providing courses in agriculture and rural improvement at summer conferences of teachers and preachers.

**Equipment**

Beginning with the autumn of 1925, the College of Agriculture has occupied a new, practically fireproof building on the main university campus, which provides administrative offices and well-equipped laboratories and classrooms. About 1,400 mow (233 acres) of land are under cultivation and are chiefly devoted to cotton, mulberry orchards, experimental forest nurseries, commercial nurseries, ornamental shrubs, fruit trees, vegetables, seed production, wheat, corn, rice, beans, and certain minor crops with which the University is experimenting. For field work in forestry, through the courtesy of the Kiangsu Educational Association, the Lao Shan Forestry Station, representing the most important Chinese forestry enterprise, is made available for our students and teachers; and through the courtesy of the Nanking branch of the Colonization Association of China, the forestry station on Purple Mountain is also available. For its sericultural work, the College has probably the best-equipped sericultural

building in China. A special building has been provided for the Rural Leaders' Training School some distance away from the main university campus. Excellent field buildings have been provided for the Experimental Station and Farm outside of Nanking city.

**Famine Prevention Program**

With funds allocated in 1923 by the American Committee for China Famine Fund, the College of Agriculture as part of its work has undertaken a famine prevention program including projects in forestry research, instruction, and extension; agricultural extension, farm crops improvement, and seed farms; economic and farm management studies in famine and other areas; cooperative extension work; plant and animal disease control, agricultural education; and a research library. These and all other projects in the College are administered as a whole. The Forestry Fund Committee of Shanghai also makes an annual contribution to the forestry part of the program.

**Course of Study**

One hundred and forty-two semester hours are required for graduation. Fourteen of these shall be for Party Principles, Military Instruction and Physical Education. Thirty-two to forty-eight credits are required in a major subject, and from twenty to twenty-eight in a minor.

A summer's work on a farm and living under village conditions are required and must be done under the direction of the faculty. This may form part of a project requirement.

Each student is required to work on a project under the direction of the department in which he is majoring, for which two to six credits may be allowed, to apply toward graduation. Such credits shall be allowed on the basis of one credit for each one hundred hours of field work in the absence of an instructor of the University, or for each seventy-five hours of field work under the personal direction of an instructor.

Each agricultural and forestry student is expected to take all the freshman and sophomore courses listed in the following table. Agricultural students who are interested in some other recognized group of subjects may, in place of required agricultural courses in the freshman and sophomore years, substitute subjects from that group or subjects closely related to it, in consultation with the adviser or head of the department in which these subjects are given.

Trips and field work will be required of all students during the course. Extra expenses for such trips and for field work must be paid by the students.

#### REQUIREMENTS FOR FRESHMAN AND SOPHOMORE YEARS

##### *Freshman Year, Agriculture and Forestry*

<i>Autumn</i>	<i>Credits</i>	<i>Spring</i>	<i>Credits</i>
Chemistry 134 (Qualitative Analysis) .....	4	Botany 131 (General) ...	4
English 132 (English for Agricultural and Science Students) ....	4	Chinese 140 (Introduction to Chinese Literature) ...	3
Geology 140 (General) ...	3	Economics 130 (Principles of Economics) .....	4
Party Principles 130 .....	2	English 135 (Reading and Composition) .....	4
Physics 134 (General) ...	4	Mathematics 130 (Plane Analytic Geometry) ...	3
Physical Education 130 ..	1	Party Principles 131 .....	2
	18	Physical Education 131 ..	1
			21

##### *Sophomore Year, Agriculture and Forestry*

Agricultural Economics 140 .....	3	Agronomy 141 (Farm Crops) .....	2
Agronomy 140 (Farm Crops) .....	2	Agronomy 143 (Fertilizers) ..	2
Agronomy 142 (Soils) ....	3	Animal Husbandry 141 (General) .....	2
*Chemistry 142 (Organic) ..	4	*Botany 141 (General Plant Pathology) .....	4
Horticulture 140 (General) ..	2	Forest Policy 140 (General)	
Meteorology 140 (General) ..	2		

#### THE COLLEGE OF AGRICULTURE

Military Instruction 140 ..	2	al) .....	2
Zoology 140 (General) ..	5	Horticulture 141 (General) ..	2
		al) .....	2
		Military Instruction 141 ..	2
		Sericulture 141 (General) ..	2
		Sociology 140 (Introduction to Sociology) ...	4
		*Zoology 141 (General Entomology) .....	5
	23		27

\*Courses starred are elective, to be taken in place of other courses only on the recommendation of advisers.

#### The Rural Leaders' Training School

For the purpose of training practical men to undertake the agricultural improvement work in China, Prof. J. B. Griffing, in 1922, organized a Short Course, or a One Year Course in Agriculture, in the College of Agriculture. His idea was to pick out mature men from the country who were unable to get higher education on account of financial difficulty but who were physically strong and able to work and had good characters. The period of training was necessarily limited to one year and the cost was kept at a minimum. Thus the students who were financially poor could afford to come to study. The method of teaching was a "Learning by doing" one. All class work was arranged in the forenoon and all field work in the afternoon. The field work had to be in correlation with the forenoon class work. From 1922 to 1927, there were five classes of graduates, numbering 183. Most of them are either working on their own farms or at some government agricultural station.

On account of the Nanking Incident in 1927, the course was suspended for one year. In the year following, the course was reopened and its nature changed somewhat. It is now called the Rural Leaders' Training School, the object being to produce men who will be able to do all kinds of

improvement work in the country. To insure proper training, some educational courses have been added to the curriculum and students are required to have some practice in social service at the community centre. The period of training has been extended to two years, that is, one year in school and one year in practice. Under this system two classes of students have been graduated.

Beginning with the eighth class—1930-1931—instead of one year in school and one year in practice, two years of school training are being given; that is, a regular two years' course of study, in compliance with the regulations laid down by the Ministry of Education. In the first year the students obtain an idea of the scope of agricultural study. In the second year they acquire a certain technique in definite lines of study. Two major and two minor subjects are now being offered and each student must select one major and one minor. The major subjects are Agronomy and Forestry, and the minor subjects are Sericulture and Horticulture. Toward the end of the second year the students are sent to various agricultural stations and community centres for practice. They are being better trained and better fitted for work.

The school is under the direct administration of the Department of Rural Education

#### ADMISSION AND REGISTRATION

Beginning with the autumn of 1931, admission to the school will be in charge of the Admissions Committee of the University. Candidates must be graduates of registered senior middle schools or the equivalent. They must be at least twenty years of age, must be rugged of body and willing to indulge in the hard manual labour of farm practice. Unwillingness to participate freely in such practical work shall be considered cause for dismissal without refund of tuition. No candidates are desired who are expecting to continue studying in the near future. It is the purpose of the course to aid only those who expect upon finishing the course to go immediately into the work for which they are being trained.

#### FEES AND EXPENSES

	First year			Second Year	
	Autumn	Spring	Summer	Autumn	Spring
Tuition	\$20.00	\$20.00		\$20.00	\$20.00
Board	36.00	36.00	\$8.00	36.00	36.00
Incidentals	12.00	12.00	3.00	12.00	12.00
Lecture notes	5.00	5.00		5.00	5.00
Laboratory fees	2.00	2.00	1.00	2.00	2.00
Magazine	1.00	1.00		1.00	1.00
Athletics	.50	.50		.50	.50
Uniform	8.00				
Student self-government	.50	.50		.50	.50
	85.00	77.00	12.00	77.00	77.00

#### CURRICULUM

##### First Year

Autumn	Credits	Spring	Credits
Agronomy 130, special ...	3	Agronomy 131, special ...	3
Biology 130, special .....	3	Chinese 131, special .....	2
Chinese 130, special .....	2	Farm Machinery 131, sp.	1
Party Principles 130, sp.	2	Horticulture 131, special	3
Horticulture 130, special	3	Horticulture 133, special	1
Horticulture 132, special	1	Meteorology 131, special	1
Public Health 130, special	1	Military Instruction 131,	
Sericulture 130, special ...	3	special .....	2
Silviculture 130, special ...	3	Rural Sociology 131, sp.	2
Soils 130, special .....	2	Silviculture 131, special ..	3
		Soils 131, special .....	2
		Surveying 131, special ...	3
	23		23

#### SUMMER SESSION

Field Investigation 132, special 5 credits

##### Second Year

Autumn	Credits	Spring	Credits
Agricultural Economics		Agricultural Economics	
140, special .....	2	141, special .....	2
Biology 140, special .....	1	Animal Husbandry 141,	
Biology 141, special .....	1	special .....	3

Biology 143, special .....	3	Cotton Culture 141, sp. ..	3
Cotton Culture 140, sp.	3	Foreign Language 131,	
Farm Management 140, sp.	2	or 141, special .....	2
Foreign Language 130,		Rural Education 141, sp.	2
or 140, special .....	2	Thesis .....	2
Elective .....	8	Elective .....	8
	<hr/>		<hr/>
	22		22

## ELECTIVES FOR MAJORS AND MINORS

Major		Minor	
<i>Agronomy</i>		<i>Sericulture</i>	
Agronomy 140-141, special	6	Sericulture 140, special ...	2
Agronomy 142, special ...	2	Sericulture 141, special ...	2
Agronomy 143, special ...	2	Sericulture 142, special ...	2
<i>Forestry</i>		<i>Horticulture</i>	
Biology 142, special .....	2	Horticulture 140, special	3
Forest Management 141,		Horticulture 141, special	3
special .....	2		
Forest Protection 140, sp.	1		
Silviculture 140, special ...	2		
Silviculture 141, special ...	1		
Surveying 140, special ...	2		

## GRADUATION

Upon completing the course satisfactorily, a certificate of graduation will be given. Satisfactory completion of the course will consist of (1) a passing grade in all subjects; (2) a successful demonstration of skill attained in field work; (3) the demonstration of good moral character as manifested by observance of rules, attitude toward teachers and fellow students, and the spirit in which tasks assigned are performed.

## Correspondence Course in Forestry

For the convenience of those who cannot attend the full curriculum of a forestry school, the Department of Forestry offers two one-year correspondence courses in Forest Protection and Nursery Practice. Each of these courses covers thirty-six lessons and can be taken at any time. A charge of \$8.00 is made for each course, to cover cost of lessons and postage.

## Training Course in Sericulture for Girls

The Department of Sericulture offers a Training Course in Sericulture for girls, who must be graduates of higher primary schools or the equivalent. The students live in the sericulture building. The period of training is two years, and the total cost each year is about \$100.00. In addition to the expense connected with the practical work of the course, the students must pay for the cost of any extra work involved in the course. Students, therefore, who have financial difficulties, should not take the course.

## DESCRIPTION OF COURSES

**Agricultural Economics**

(Divisions of Agricultural Economics, Farm Management, and Rural Sociology)

Students whose major is in the Department of Agricultural Economics are required to take Agricultural Economics 140, 150, 151, 152, 154, 155, 157, 158, 159P, 161, 165A, 165B, 166, 167, 169P, 169T; and the following courses in the College of Arts: History 136, Sociology 140.

Students whose minor is in the Department of Agricultural Economics are required to take Agricultural Economics 150, 151, 155, 161, 165A, 165B, 166 and 167.

**140. Agricultural Economics.** A study of the fundamental principles and outstanding problems in the field of agricultural economics, with emphasis on the economic factors underlying present-day conditions in rural communities in China and other countries. Teaching materials are primarily based upon books by H. C. Taylor, T. N. Carver, E. G. Nourse, and F. R. Yoder.

Autumn semesters, three periods weekly, counting as three credits.

Required of Sophomores. Prerequisite, Economics 130.

**150. Farm Accounting.** A course dealing with both the principles and practice of farm accounting. By analyzing cost accounts, the various angles of farm business are studied.

Autumn semesters, one discussion period and two laboratory periods weekly, counting as three credits.

Required of juniors whose major or minor is Agricultural Economics.

**151. Farm Management.** A course dealing with farming as a business, types of farming, rates of production, farm layout, labour management, farm tools and equipment. It is largely based on Chinese data. Texts, G. F. Warren: *Farm Management* (Macmillan); and J. L. Buck: *Chinese Farm Economy* (Commercial Press).

Autumn semesters, two discussion periods and one laboratory period weekly, counting as three credits.

Required of juniors whose major or minor is Agricultural Economics.

**152. Humanistic Geography.** The aim is not so much to impart facts or information as to give students an understanding

of the significance and interrelation of basic geographical factors, skill in handling, recording, and presenting geographical data on fundamental points, and the power of clear scientific geographical thinking on typical conditions. Text, Fairgrievies and Young: *Human Geographies for Secondary Schools*, Books II and III (Philip).

Autumn semesters, four periods weekly, counting as four credits.

Required of juniors whose major is Agricultural Economics.

**153. Regional and Economic Geography of Asia.** A study of the climates, land forms, vegetation and products, communications, and human and historical factors in the life and work of man in the various regions of Asia. Text, Stamp: *Asia: A Regional and Economic Geography* (Methuen).

Spring semesters, three periods weekly, counting as three credits.

Elective for juniors. Prerequisite, Agricultural Economics 152, except in special cases.

**154. History of Chinese Agriculture.** A course dealing with historical facts of Chinese rural organization, rural life, and technical agriculture.

Spring semesters, two periods weekly, counting as two credits.

Required of juniors whose major is Agricultural Economics.

**155. Rural Sociology.** A course dealing with rural social problems in China and other countries at the present time, with emphasis on the contrast between rural and urban social conditions and differences, and on the mapping of rural community interests. Texts, N. L. Sims: *Elements of Rural Sociology* (Crowell), and Pitirim Sorokin and Carle C. Zimmerman: *Principles of Rural-Urban Sociology* (Holt).

Spring semesters, three periods weekly, counting as three credits.

Required of juniors whose major or minor is Agricultural Economics. Prerequisite, Sociology 140.

**156. Agricultural Prices.** A study of methods of price analysis; interpretation of price data; the relation of monetary inflation and deflation to wages, farm prices, and city prices; the interrelationships of supply and price of agricultural products. Reference readings from a large number of books, bulletins, and periodicals.

Autumn semesters, two discussion periods and one laboratory period weekly, counting as three credits.

Elective for juniors and seniors. Prerequisite, Agricultural Economics 140.



**157. Rural Organization.** A study of the essential principles and practices of cooperative rural organization, with use of illustrations and data dealing with China and other countries.

Spring semesters, three periods weekly, counting as three credits.

Required of juniors whose major is Agricultural Economics. Prerequisite, Agricultural Economics 140.

**158. Agricultural Statistics.** An elementary course in agricultural statistics, in which principles, methods of computation, and practical application of statistics to agricultural science are studied. Special attention is given to the interpretation of statistical treatments. Laboratory materials and illustrations available in China are used. Texts, R. E. Chaddock: Principles and Methods of Statistics (Houghton). H. Secrist: An Introduction to Statistical Methods (Macmillan); and H. Jerome: Statistical Method (Harper).

Spring semesters, two discussion periods and one laboratory period weekly, counting as three credits.

Required of juniors whose major is Agricultural Economics. Prerequisites, Agricultural Economics 140, 151.

**159P. Project.** A project for the purpose of giving the student practical training in the field, either in the nature of collecting information or carrying out some extension project among the farmers. The results form the material for a thesis required in the spring semester of the senior year.

Spring semesters, counting as three credits.

Required of juniors whose major is Agricultural Economics.

**161. Agricultural Policy.** A course dealing with the basic principles underlying policy formulation with regard to agricultural land, labour, credit, prices, etc. Illustrations are taken from other countries with special attention to their applicability to Chinese conditions.

Spring semesters, three periods weekly, counting as three credits.

Required of seniors whose major or minor is Agricultural Economics. Prerequisites, Agricultural Economics 140, 151.

**162. Advanced Farm Management.** A study of published farm management surveys and special management problems in China.

Spring semesters, three periods weekly, counting as three credits.

Elective for seniors. Prerequisites, Agricultural Economics 140, 150, 151.

**163. Research Methods in Agricultural Economics.** A study of the principles and practices of research methods in agricultural economics, based largely on the text, Research Method and Procedure in Agricultural Economics, published by the Social Science Research Council, New York City.

Spring semesters, one discussion period and two laboratory periods weekly, counting as three credits.

Elective for seniors. Prerequisites, Agricultural Economics 140, 151, 158.

**164A, 164B. Rural Problems.** A course of lectures by specialists in Nanking or visiting Nanking, continuing through the year on a variety of topics relating to special, broad and comprehensive phases of rural life.

Autumn and spring semesters, one period weekly, counting as one credit each semester.

Open to all junior and senior agricultural students.

**165A, 165B. Seminar.** Students are assigned special topics for study and are required to present the results in a written form. Lectures will be given frequently by faculty members and scholars of note.

Autumn and spring semesters, one period weekly, counting as one credit each semester.

Required of seniors whose major or minor is Agricultural Economics.

**166. Rural Finance.** A study of the various methods of financing the farmer, with special emphasis on cooperative credit societies.

Autumn semesters, three periods weekly, counting as three credits.

Required of seniors whose major or minor is Agricultural Economics.

**167. Marketing Farm Products.** A study of the essential principles in marketing farm products, with special emphasis on the actual conditions of marketing and cooperative marketing in China.

Autumn semesters, three periods weekly, counting as three credits.

Required of seniors whose major or minor is Agricultural Economics. Prerequisites, Agricultural Economics 140, 151.

**168. History of Land Tenure in China.** A course dealing with such topics as the history of land systems, taxation, equity in land ownership, tenant disputes, land adjustment, colonization, land surveying, etc.

Autumn semesters, two periods weekly, counting as two credits.

Prerequisite, Agricultural Economics 154.

**169P. Project.** A continuation of Agricultural Economics 159P.

Autumn semesters, counting as three credits.

Required of seniors whose major is Agricultural Economics.

**169T. Thesis.** A thesis on the data obtained under Agricultural Economics 159P and 169P. The thesis must be presented in a scientific manner and must conform to the text, Trelease and Yule: Preparation of Scientific and Technical Papers (Wilkins).

Spring semesters, counting as two credits.

Required of seniors whose major is Agricultural Economics.

### Agronomy

Students whose major is Agronomy are required to take Agronomy 140, 141, 142, 143, 150, 151, 158P, 159P, 160, 161, 162, 163, 165, 166, 167A, 167B, 168P, 169P, and 169T. In addition they must have taken Agricultural Economics 150, 151, 158, Botany 141, 151, 152, Chemistry 134, Geology 140, Horticulture 150, 151, 152, Mathematics 156, and Physics 134.

Students whose minor is Agronomy are required to take Agronomy 140, 141, 142, 143, 150, 151.

**140, 141. Farm Crops.** A general study in the autumn semester of the principles of crop cultivation; and in the spring semester of the economic importance, characteristics, culture, harvesting, marketing, etc., of Chinese food crops, fiber crops, root crops and forage crops. Text, Hughes and Henson: Crop Production (Macmillan).

Autumn and spring semesters, two class periods and one three-hour laboratory period weekly, counting as two credits each semester.

Required of agricultural students.

**142. Soils.** A course dealing with the formation, characteristics, changes, and classification of soils, and their relation to crop production. Text, Lyon and Buckmann: The Nature and Properties of Soils. New edition (Macmillan).

Autumn semesters, three class periods and one three-hour laboratory period weekly, counting as three credits.

Required of agricultural and forestry students. Prerequisites, Geology 140, Chemistry 134, and Physics 134.

**143. Fertilizers.** A study of the principles of plant nutrition and the characteristics, composition, manufacture and methods

of application of different kinds of fertilizers. Text, Bear: Theory and Practice in the Use of Fertilizers (Wiley).

Spring semesters, three class periods weekly, counting as two credits.

Required of agricultural students. Prerequisite, Agronomy 142.

**144. Fertilizer Inspection.** A course dealing with the methods of inspection and analysis of the composition of fertilizers, methods of conducting field experiments, and chemical methods of soil investigation.

Spring semesters, two class periods and two three-hour laboratory periods weekly, counting as three credits.

Elective for agricultural students. Prerequisites, Agronomy 143, Chemistry 134 or its equivalent, and Chemistry 141A.

**150, 151. Plant Breeding.** A course dealing with the principles of genetics in the autumn semester and the application of genetic principles to plant breeding in the spring semester. Text, Sinnott and Dunn: Principles of Genetics (McGraw-Hill) for the autumn semester, and Hayes and Garber: Breeding Crop Plants (McGraw-Hill) for the spring semester.

Autumn and spring semesters, four class periods and one three-hour laboratory period weekly, counting as four credits each semester.

Required of students whose major or minor is Agronomy.

**158P, 159P. Project.** A project dealing with the cultural methods of field crops, continuing throughout the year.

Autumn and spring semesters, counting as two credits each semester.

Required of juniors whose major is Agronomy. Prerequisites, Agronomy 140, 141.

**160, 161. Cotton Culture.** A course dealing with the kinds, planting and cultivation of Chinese and American cotton, with special emphasis on breeding and extension of improved seeds. Text, Brown: Cotton (McGraw-Hill).

Autumn and spring semesters, one class period and one three-hour laboratory period weekly, counting as one credit each semester.

Required of students whose major is Agronomy.

**162, 163. Study of Special Crops.** An opportunity is given to a limited number of students to study certain crops in which they are particularly interested.

Autumn and spring semesters, time to be arranged, counting as one credit each semester.

Required of students whose major is Agronomy. Prerequisites, Agronomy 140 and 141.

**165, 166. Crop Improvement.** An advanced course in which opportunity is given to students to participate in all phases of work in the Department of Agronomy. Lectures are included.

Autumn and spring semesters, one class period and one three-hour laboratory period weekly, counting as one credit each semester.

Required of students whose major is Agronomy. Prerequisites, Agronomy 150, 151.

**167A. Biometry.** A course designed to acquaint the student with the methods of studying variation, correlation, probable error and related subjects. The methods studied are of use in the statistical analysis of data from various sources, such as surveys, plant and animal studies, field experiments and the like.

Autumn semesters, three consecutive periods weekly, counting as one credit.

Required of students whose major is Agronomy.

**167B. Field Technique.** A continuation of Agronomy 167A, dealing with the field technique of conducting various experiments.

Spring semesters, three consecutive periods weekly, counting as one credit.

Required of students whose major is Agronomy.

**168P, 169P. Project.** A project dealing with the field technique of conducting field crop experiments, continuing through the year.

Autumn and spring semesters, counting as two credits each semester.

Required of seniors whose major is Agronomy. Prerequisites, Agronomy 150, 151, 158P, 159P.

**169T. Thesis.** Required of seniors whose major is Agronomy. Spring semesters, counting as two credits.

### Animal Husbandry

**141. General Animal Husbandry.** A general study of the principal breeds and of the care and management of cattle, horses, sheep, and goats.

Spring semesters, two periods weekly, counting as two credits. Required of all agricultural and forestry students.

### Astronomy

**140. General Astronomy.** A course dealing with the fundamental facts and principles of astronomy, including a summary

of what is known so far about the earth, the moon, the sun, the planets, comets, meteors, stars, and nebulae, and the methods by which this knowledge has been attained. Text, Duncan: *Astronomy, A Text-book* (Harper).

Autumn semesters, three periods weekly, counting as three credits.

Elective.

**141. Theoretical Astronomy.** A study of the theory of the determination of the orbits of planets, comets and binary stars and other elementary theories of celestial mechanics. The determination of star places from photographic plates is also considered, including stellar parallax, proper motion, etc.

Spring semesters, three periods weekly, counting as three credits.

Elective. Prerequisites, Astronomy 140, Mathematics 140, 141, and Physics 130, 131.

### Botany

Students who desire to major or minor in Botany may select the required number of credits from the courses listed below.

Students who major in Botany should select their courses in consultation with a Professor in the Department of Botany.

**131. General Botany.** An introduction to the form, structure and physiology of the more common plants, followed by a brief review of the vegetable kingdom. Text, Smith et al: *A Textbook of General Botany* (Macmillan).

Spring semesters, three class periods and two three-hour laboratory periods weekly, counting as four credits.

Required of agricultural and forestry students.

**141. General Plant Pathology.** A course dealing with the nature and cause of plant diseases, and also with scientific methods of disease control.

Spring semesters, two class periods and two three-hour laboratory periods weekly, counting as four credits.

Prerequisite, Botany 131.

**151. Plant Physiology.** A course dealing with the fundamental processes of plant growth and with the ways in which these are affected by external agents of all sorts. The principles underlying plant growth are applied in a practical way to the problem of increased crop production.

Autumn semesters, two class periods and one three-hour laboratory period weekly, counting as three credits.

Prerequisites, Botany 131, Chemistry 140.

**152, 153. Systematic Botany.** A course dealing with the classification and distribution of the seed plants, especially those of the lower Yangtze valley. Methods in collecting and preparing herbarium specimens, and practice in the use of keys for the identification of plants from the local flora are emphasized.

A one-year course, beginning in the spring semester, two class periods and one three-hour laboratory period weekly, counting as six credits.

Prerequisite, Botany 131.

**154. Plant Morphology.** A study of the forms of algae, liverworts, mosses, ferns and fern allies, including a review of their phylogenetic and ecological relationships.

Spring semesters, alternating with Botany 161, two class periods and one three-hour laboratory period weekly, counting as three credits.

Prerequisite, Botany 131.

**155. Principles of Plant Disease Control.** A course dealing with the methods of plant disease control, especially through the use of fungicides and quarantine regulations.

Either semester, given by request, two class periods and one three-hour laboratory period weekly, counting as three credits.

Prerequisite, Botany 141.

**156. Plant Ecology.** A study of the effect of environment upon the structure of vegetation, and of modifications in the form and structure of plants in response to surrounding conditions, in an endeavour to understand plants by studying the places where they live. Text, McDougall: Plant Ecology (Lea and Febiger).

Autumn semesters, two class periods and one three-hour laboratory period weekly, counting as three credits.

Required of forestry students. Prerequisite, Botany 131.

**158P, 159P. Project.** Qualified students may (with the consent of a professor) carry on research studies or projects for credit.

Time and credits to be arranged.

**161. Plant Anatomy.** A course directing detailed studies of the structure and tissues of higher plants, which should be valuable to those who expect to teach in the field of biology.

Spring semesters, alternating with Botany 153, two class periods and one three-hour laboratory period weekly, counting as three credits.

Prerequisite, Botany 131.

**162, 163. Mycology.** A course dealing with the morphology and classification of fungi.

A one-year course beginning in the autumn semesters, two class periods and one three-hour laboratory period weekly, counting as six credits for the year.

Prerequisite, Botany 141.

**164. Methods in Plant Pathology.** A course dealing with isolation, culture, inoculation and histological methods.

Spring semesters, one class period and two three-hour laboratory periods weekly, counting as three credits.

**165. Economic Botany.** A review of the plants related to human welfare, with emphasis on those which are not covered by studies in the applied fields of agronomy, forestry, and horticulture.

Autumn semesters, two class periods and one three-hour laboratory period weekly, counting as three credits.

Prerequisite, Zoology 132, or Botany 131.

**169P. Project.** Special problems may be undertaken for credit in the field of the student's concentration, with the consent of the professor in charge.

Time and credits to be arranged.

**169T. Thesis.** A carefully supervised project and thesis required of seniors majoring in Botany.

Two credits.

### Chemistry

Students whose major is Chemistry are required to take Chemistry 131, 132, 133, 141A, 142, 143, 155A; also Mathematics 140 and 141; and Physics 142, 147, and 152.

Students whose minor is Chemistry are required to take Chemistry 131, 132, 133, 141A, 142.

**120. Elementary Chemistry.** An elementary study of chemistry emphasizing fundamental principles and their applications. The methods of independent, individual laboratory study are stressed rather than the mere acquiring of information. Text, Kendall-Slosson: Smith's Intermediate Chemistry (Century or Bell).

Every semester, three class periods and two three-hour laboratory periods weekly, without credit.

**131. General Chemistry.** A course dealing with the general principles of chemistry, the properties and uses of common elements, and a survey of food, fuel, colloids and their relations to everyday life. Text, Holmes: General Chemistry (Macmillan).

Every semester, two class periods and two three-hour laboratory periods weekly, counting as four credits.

Required of all science students.

**132. Principles of Inorganic Chemistry.** A review and more rigorous treatment of the fundamental principles of chemistry approached through the laboratory, with special emphasis on independent, individual work under careful supervision. Texts, Deming: General Chemistry (Wiley); Chapin: Second Year College Chemistry (Wiley); Holmes: General Chemistry (Macmillan); Smith: Chemistry for Colleges (Century).

Spring semesters, two class periods and two three-hour laboratory periods weekly, counting as four credits.

Required of industrial chemistry and premedical students and students whose major or minor is Chemistry. Prerequisite, Chemistry 131.

**133. Inorganic and Qualitative Analysis.** A course consisting of (1) discussions of chemical equilibrium, ionization, complex-formation, and oxidation and reduction in solutions and (2) drill in careful manipulation and exact methods of qualitative analysis. Text, A. A. Noyes: Qualitative Chemical Analysis (Macmillan); references, Stieglitz: Qualitative Analysis, Part I, (Century); Baskerville and Curtman: Qualitative Analysis (Macmillan); and Tredwell and Hall: Analytical Chemistry, Vol. I. (Wiley).

Autumn semesters, two class periods and two four-hour laboratory periods weekly, counting as four credits.

Required of industrial chemistry, premedical and other students whose major or minor is Chemistry. Prerequisite, Chemistry 132.

**134. Qualitative Analysis.** A review of solution, ionization and chemical equilibrium in relation to analytical reactions, selected experiments in qualitative analysis, and a very brief introduction to quantitative analytical procedures. Text, Engelder: Elementary Qualitative Analysis (Wiley).

Autumn semesters, two class periods and two four-hour laboratory periods weekly, counting as four credits.

Required of agricultural and forestry students.

**135. General Chemistry for Non-science Students.** A cultural course in chemistry, showing the development of chemistry, the progress made in research, and the contributions of chemistry to industry, medicine, etc. Various references are used.

Spring semesters, two class periods and two three-hour laboratory periods weekly, counting as four credits.

Elective for arts students only.

**140. Organic Chemistry.** A general survey of the field of organic chemistry with special emphasis on subjects related to agriculture and forestry. Text, H. T. Clarke: An Introduction to the Study of Organic Chemistry (Longmans).

Autumn semesters, two class periods and two three-hour laboratory periods weekly, counting as four credits.

Required of agricultural and forestry students. Prerequisite, Chemistry 134.

**141A. Inorganic Quantitative Analysis.** A course designed to acquaint the student with the principles of physical chemistry involved in gravimetric and volumetric determinations, as well as the technique and processes entailed. Text, H. A. Fales: Inorganic Quantitative Analysis (Century).

Spring semesters, two class periods and two four-hour laboratory periods weekly, counting as four credits.

Required of industrial chemistry and premedical students and students whose major or minor is Chemistry. Prerequisite, Chemistry 133.

**141B. Quantitative Analysis.** A course including (1) a discussion of the principles of quantitative analysis, (2) independent drill on the analysis of common elements, soils, fertilizers, etc. Text, Mahin and Carr: Quantitative Agricultural Analysis (McGraw-Hill).

Either semester, two class periods and two four-hour laboratory periods weekly, counting as four credits.

Elective. Prerequisite, Chemistry 133 or 134.

**142. Organic Chemistry I.** A survey of the elements of organic chemistry for beginners. In both classroom and laboratory emphasis is placed on fundamental principles. Texts, Conant: Organic Chemistry (Macmillan); and Adams and Johnson: Elementary Laboratory Experiments in Organic Chemistry (Macmillan).

Autumn semesters, two class periods and two four-hour laboratory periods weekly, counting as four credits.

Required of industrial chemistry and premedical students and students whose major or minor is Chemistry. Prerequisite, Chemistry 133.

**143. Organic Chemistry II.** A continuation of Chemistry 142 with more emphasis on the carbocyclic series of compounds. Texts, Holleman: Text-book of Organic Chemistry (Wiley); and Fisher: Laboratory Manual of Organic Chemistry (Wiley).

Spring semesters, two class periods and two four-hour laboratory periods weekly, counting as four credits.

Required of industrial chemistry and premedical students and students whose major is Chemistry. Prerequisite, Chemistry 142.

**144. Advanced Inorganic Quantitative Analysis.** A continuation of Chemistry 141A, including a detailed study of the theory and practice of electrolytic separation of metals, indicators,

potentiometric titrations, etc. More difficult analyses of alloys and ores are made in the laboratory. References, Fales: *Inorganic Quantitative Analysis* (Century); Fay, *Quantitative Analysis* (Wiley); Kolthoff and Menzel; *Volumetric Analysis*, Vol. II (Wiley); Kolthoff: *Potentiometric Titrations* (Wiley); and Scott: *Standard Methods of Chemical Analysis* (Van Nostrand).

Autumn semesters, one class period and two four-hour laboratory periods weekly, counting as four credits.

Elective. Prerequisite, Chemistry 141A.

**150. Principles of Chemical Engineering.** A course including a study of different types of furnaces, evaporators, testing machines, and other instruments indispensable to many chemical industries. Various references are used.

Either semester, three class periods weekly counting as three credits.

Elective. Prerequisite, consent of the instructor.

**151. Agricultural Chemistry.** A survey of the application of chemistry to agriculture, including the study of the chemical composition and properties of plants, enzyme action, and animal food and nutrition. Texts, Thatcher: *The Chemistry of Plant Life* (McGraw-Hill); and Fraps: *Principles of Agricultural Chemistry* (Chemical Publishing Co.).

Either semester, two class periods and two three-hour laboratory periods weekly, counting as four credits.

Elective. Prerequisite, Chemistry 142.

**152. Forest Products Chemistry.** A study of the application of chemistry to forestry and forest products. The laboratory work emphasizes the possibilities in the utilization of the by-products of wood distillation. Texts, Heuser, West and Esselen: *Text-book of Cellulose Chemistry* (McGraw-Hill); and Hawley and Wise: *Chemistry of Wood* (Chemical Catalog Co.).

Either semester, two class periods and two three-hour laboratory periods weekly, counting as four credits.

Elective. Prerequisite, Chemistry 142.

**153. Colloid Chemistry I.** The classification, preparation, precipitation, absorption, and osmotic pressure of colloids. Text, Krut: *Colloid Chemistry* (Wiley).

Autumn semesters, two class periods and two three-hour laboratory periods weekly, counting as four credits.

Elective. Prerequisite, Chemistry 155.

**154. Colloid Chemistry II.** A continuation of Chemistry 153. More advanced theoretical discussion and laboratory exercises are introduced, and special emphasis is placed on the application

of colloid chemistry to chemical industries. Various references are used.

Spring semesters, two class periods and two three-hour laboratory periods weekly, counting as four credits.

Elective. Prerequisite, Chemistry 153.

**155A. Physical Chemistry.** A careful study of the principles and theories of chemistry from a quantitative standpoint, with emphasis, in both classroom and laboratory, on logical, accurate thinking. Texts, Getman: *Outline of Theoretical Chemistry* (Wiley); and Findley: *Practical Physical Chemistry* (Longmans).

Autumn semesters, two class periods and two three-hour laboratory periods weekly, counting as four credits.

Required of industrial chemistry students and students whose major is Chemistry. Prerequisite, Chemistry 141A.

**155B. Physical Chemistry.** The lecture part only of Chemistry 155A.

Autumn semesters, two class periods weekly, counting as two credits.

Elective. Prerequisite, Chemistry 133.

**156. Chemistry of Food and Nutrition.** A study of the chemistry and functions of foodstuffs, the composition and nutritive values of food materials, and the amount of food required in nutrition. Text, Sherman: *Chemistry of Food and Nutrition* (Macmillan).

Autumn semesters, three class periods weekly, counting as three credits.

Elective. Prerequisite, Chemistry 142.

**157. Industrial Analysis I.** A course consisting in the analyzing of various industrial products, including fertilizers, lubricating oil, insecticides, cements, Tung oil, coal, industrial waters, and textile and paper fibres. Various references are used.

Autumn semesters, two class periods and two three-hour laboratory periods weekly, counting as four credits.

Elective. Prerequisites, Chemistry 141A, 142, and 160.

**158. Industrial Analysis II.** A course providing practice in standard methods of analysis for various industrial products, including wines, glycerine, coins, egg products, preservatives, varnishes, paints, and dairy products. Various references are used.

Spring semesters, two class periods and two three-hour laboratory periods weekly, counting as four credits.

Elective. Prerequisite, Chemistry 141A, 142 and 160.

**159. History of Science.** A study of the development of science from the earliest days to the present time, and of the contributions made by different scientists. Text, Sedgwick and Taylor: *A Short History of Science* (Macmillan).

Either semester, two class periods weekly, counting as two credits.

Elective.

**160. Industrial Chemistry I.** A study of the principles and processes involved in producing fuel, sulphuric acid, hydrochloric acid, nitric acid, cement, glass, fertilizers, and other inorganic industrial products. Text, Thorpe: *Outlines of Industrial Chemistry* (Macmillan); and various journals as references.

Autumn semesters, three class periods weekly, counting as three credits.

Elective. Prerequisites, Chemistry 141A and 142.

**161. Industrial Chemistry II.** A brief survey of the distillation of wood, coal, gas, coal tar products, petroleum, plant and animal fats, soap, candles, paper and sugar. Text, Thorpe: *Outlines of Industrial Chemistry* (Macmillan); and various journals as references.

Spring semesters, three class periods weekly, counting as three credits.

Elective. Prerequisite, Chemistry 160.

**\*162. Organic Analysis—Quantitative.** An introductory course in quantitative organic analysis devoted chiefly to the methods of proximate analysis of plant and animal substances and their manufactured products. Text, Sherman: *Organic Analysis* (Macmillan).

Either semester, one class period and three three-hour laboratory periods weekly, counting as four credits.

Elective. Prerequisites, Chemistry 141A, and 142.

**\*164. Principles of Leather Manufacture I.** A course designed to acquaint the student with the fundamental principles of leather manufacture. Text, Procter: *Principles of Leather Manufacture* (Van Nostrand).

Autumn semesters, two class periods and two three-hour laboratory periods weekly, counting as four credits.

Elective. Prerequisites, Chemistry 160 and 161.

**\*165. Principles of Leather Manufacture II.** A survey of the different methods used in the manufacture of various kinds of leather. Text, Procter: *Principles of Leather Manufacture* (Van Nostrand).

\*Given every other year.

Spring semesters, two class periods and two three-hour laboratory periods weekly, counting as four credits.

Elective. Prerequisites, Chemistry 160, 161 and 164.

**\*166. Organic Analysis—Qualitative.** A course dealing with the detection and identification of compounds and mixtures. Text, Kamm: *Qualitative Organic Analysis* (Wiley).

Autumn semesters, one class period and three three-hour laboratory periods weekly, counting as four credits.

Elective. Prerequisite, Chemistry 143.

**\*167. Colour Chemistry I.** A study of the distillation of coal tar and the principles of synthetic dyestuffs and their classification. Text, Cain and Thorpe: *The Synthetic Dyestuffs and Intermediate Products* (Lippincott).

Autumn semesters, two class periods and two four-hour laboratory periods weekly, counting as four credits.

Elective. Prerequisites, Chemistry 160 and 161, and the consent of the instructor.

**\*168. Colour Chemistry II.** A thorough discussion of different types of dyes and methods of analyzing same, as well as a survey of natural and mineral dyes. Text, Cain and Thorpe: *The Synthetic Dyestuffs and the Intermediate Products* (Lippincott).

Spring semesters, two class periods and two four-hour laboratory periods weekly, counting as four credits.

Elective. Prerequisites, Chemistry 160, 161, and 167, and the consent of the instructor.

**169T. Thesis.** Students majoring in Chemistry are required to do a piece of original investigation under the supervision of the Department. The investigation may be made in any of the following fields: analytical, colloid, food, inorganic, industrial, organic, or physical chemistry.

Every semester, conference and laboratory work of not less than eight hours a week, counting as two credits.

**\*170. Advanced Inorganic Qualitative Analysis.** A study of modern theories of analysis, and the uses and reactions of the rarer elements. Texts, Noyes and Bray: *Qualitative Analysis for the Rarer Elements* (Macmillan); and Hopkins: *The Chemistry of the Rarer Elements* (Heath).

Either semester, one class period and two four-hour laboratory periods weekly, counting as four credits.

Elective. Prerequisite, Chemistry 141A.

\*Given every other year.

‡172. **Advanced Organic Qualitative Analysis.** A course dealing with the organic groups, and the identification and analysis of commercial products. Text, Mulliken: Identification of Pure Organic Compounds (Wiley).

Either semester, one class period and three three-hour laboratory periods weekly, counting as four credits.

Elective. Prerequisite, Chemistry 166.

‡173. **Organic Combustion.** A study of the quantitative determination of hydrogen, carbon, nitrogen and halides in organic compounds. Text, Thorpe and Whiteley; Organic Chemical Analysis (Longmans).

Either semester, one class period and two four-hour laboratory periods weekly, counting as four credits.

Elective. Prerequisite, Chemistry 162.

‡174. **Advanced Forest Products Chemistry.** A study centred chiefly on the different products obtained under varied conditions by means of fractional distillation. Texts, Brown: Forest Products (Wiley); Dumesny and Nover: Wood Products, Distillates and Extracts (Scott, Greenwood); Hawley: Wood Distillation (Chemical Catalog Co.); Shorger: Chemistry of Cellulose and Wood (Chemical Catalog Co.).

Either semester, one class period and three three-hour laboratory periods weekly, counting as four credits.

Elective. Prerequisites, Chemistry 141A or 141B, and 152.

‡175. **Physiological Chemistry.** A study of the chemistry of physiological processes and the various fluids and tissues of the body, including a study of carbohydrates, proteins and fats, digestion and metabolism, nutrition, blood, urine, etc. Text, Mathews: Physiological Chemistry (Wood).

Either semester, two class periods and three three-hour laboratory periods weekly, counting as four credits.

Elective. Prerequisites, Chemistry 143 and 156.

‡176. **Advanced Physical Chemistry.** A continuation of Chemistry 155 with more advanced work in physico-chemical measurements. Material is selected from various texts and journals.

Either semester, two class periods and two three-hour laboratory periods weekly, counting as four credits.

Elective. Prerequisite, Chemistry 155A.

‡177A. **Theoretical Organic Chemistry.** A more detailed study of the chemistry of carbon compounds and the fundamental

‡Given on demand.

principles upon which organic chemistry is based. Text, Henrich: Theories of Organic Chemistry (Wiley).

Either semester, two class periods weekly, counting as two credits.

Elective. Prerequisite, Chemistry 143.

‡177B. **Advanced Organic Chemistry.** A continuation of Chemistry 177A with special emphasis on the aromatic compounds. Text, Stewart: Recent Advances in Organic Chemistry (Longmans).

Either semester, two class periods weekly, counting as two credits.

Elective. Prerequisite, Chemistry 177A.

‡178. **Food Analysis.** A discussion of analytical methods and the analysis of selected food products, including cereals, sugar mixtures, milk and food preservatives. Text, Leach: Food Inspection and Analysis (Wiley).

Either semester, one class period and three three-hour laboratory periods weekly, counting as four credits.

Elective. Prerequisites, Chemistry 142 and 156.

‡179. **Organic Syntheses.** A course in advanced organic syntheses and special training in organic laboratory technique. Text, Cumming, Harper and Wheeler: Systematic Organic Chemistry (Van Nostrand).

Either semester, one class period and three three-hour laboratory periods weekly, counting as four credits.

Elective. Prerequisites, Chemistry 143 and 171.

‡180. **Research Project.** Qualified graduate students may by action of the Department, be admitted to research.

Laboratory work and conferences of not less than ten hours a week.

#### Chinese Literature

Students whose major is Chinese Literature are required to take the following courses in addition to the required freshman courses: Chinese 134, 135, 140, 142A, 142B, 145A, 145B, 146, 150, 169T.

Students whose minor is Chinese Literature are required to take the following courses in addition to the required freshman courses: Chinese 134, 135, 140, 142A, 142B, 145A, 145B.

122. **Make-up Course (補習班國文).** This is a study of all the different forms of Chinese literature in prose and verse, as a

‡Given on demand.



preparation for further study. Students are required to hand in a composition every other week.

Five periods weekly, without credit.

**130. Literary Forms.** (各體文選). A preparatory course in the different literary styles in prose and verse of the various dynasties. Students are required to hand in a composition every other week.

Five periods weekly, counting as four credits.

Required of freshmen.

**132. Introduction to Sinology** (國學概論). A survey of some important branches of Chinese learning, such as Chinese characters (史字發凡), the classics (經學通論), the principles of historiography (史學原理), and the classical philosophers (諸子通論).

Five periods weekly, counting as four credits.

Required of freshmen. Prerequisite, Chinese 130.

**134. Elementary Etymology** (文字學大綱). An introduction to the study of the origin of Chinese characters, their form, sound, and meaning, as preparation for other courses in Chinese.

Three periods weekly, counting as three credits.

Required of students whose major or minor is Chinese. Prerequisite, Chinese 132.

**135. Chinese Bibliography** (目錄學). This is an introductory course designed to teach the student how to study, to classify, and to collect Chinese books.

Three periods weekly, counting as three credits.

Required of students whose major or minor is Chinese. Prerequisite, Chinese 132.

**140. Introduction to Chinese Literature** (文學概論). This course seeks to give a general survey of the fundamental principles of literature and literary criticism, and to familiarize the student with forms and types characteristic of Chinese literature. Assigned readings and term papers are required.

Three periods weekly counting as three credits.

Required of students whose major or minor is Chinese. Prerequisite, Chinese 130.

**141. Contemporary Chinese Literature** (現代文藝). This is a study of the development and tendency of modern poetry, prose, the novel, the play, and literary translations.

Three periods weekly, counting as three credits.

Elective. Prerequisite, Chinese 130.

‡Given on demand.

**142A. Ancient Chinese Poems** (古代詩選). This is a detailed study of a number of selected poems from the Han dynasty to the "Six Dynasties" (六朝).

Three periods weekly, counting as three credits.

Required of students whose major is Chinese. Prerequisite, Chinese 130 or 140.

**142B. Selected Chinese Poetry** (唐以后詩選). This is a continuation of Chinese 142A. Poems selected from the Tang and Sung Dynasties down to modern times.

Three periods weekly, counting as three credits.

Required of students whose major is Chinese. Prerequisite, Chinese 142A.

**143. Selected "Fu"**—genre of poetry or rhythmic prose (賦選). This course is a detailed study of a number of selected "Fu" from the Han dynasty to the Tang dynasty. Emphasis is laid on the variation of their nature and form.

Three periods weekly, counting as three credits.

Elective. Prerequisite, Chinese 130 or 140.

**144. Advanced Composition** (高等作文). This is a study of the principles underlying good prose. Practice in writing themes is required.

Three periods weekly, counting as three credits.

Elective. Prerequisites, Chinese 130, 140.

**145A. History of Chinese Literature** (中國文學史上). This is an historical survey of Chinese literature from its beginning to the "Five Dynasties" (五代).

Three periods weekly, counting as three credits.

Required of students whose major or minor is Chinese. Prerequisite, Chinese 140.

**145B. History of Chinese Literature** (中國文學史下). This is a continuation of Chinese 145A and is a study of the development of Chinese literature from the Tang dynasty to the present time.

Three periods weekly, counting as three credits.

Required of students whose major or minor is Chinese. Prerequisite, Chinese 145A.

**146. Selected "Ts'i"**—a genre of chants (詞選). A study of selected "Ts'i" from the "Five Dynasties" to the Sung dynasty.

Three periods weekly, counting as three credits.

Elective. Prerequisite, Chinese 145B.

**147. Philosophical Essays** (諸子文選). This is a study of a number of philosophical essays aiming at showing the development and evolution of Chinese literary thought.

Three periods weekly, counting as three credits.  
Elective. Prerequisite, Chinese 130.

**148. Chinese Short Stories ( 中國小說選 ).** A careful study is made of a number of selected short stories written by representative authors in the various dynasties, with particular reference to their nature and style.

Three periods weekly, counting as three credits.  
Elective. Prerequisites, Chinese 130, 145A, and 145B.

**149. Introduction to and History of the Novel ( 小說概論及小說史 ).** This is a general study of the principles and forms of Chinese novels, special attention being given to style. A brief study will be made of the history of the development of the novel.

Four periods weekly, counting as four credits.  
Elective. Prerequisite, Chinese 148.

**150. Literary Criticism ( 文藝批評 ).** This is a study of the principles of literary criticism. Representative critical works will be used.

Three periods weekly, counting as three credits.  
Elective. Prerequisites, Chinese 140, 145A, 145B.

**151. Shoh Wen—Etymology ( 說文 ).** This is an advanced and thorough study of the etymology and development of Chinese characters.

Three periods weekly, counting as three credits.  
Elective. Prerequisite, Chinese 134.

**152. Sheng Yuin Hsioh—Phonology ( 聲韻學 ).** This is a thorough study of the origin and evolution of the sounds of Chinese characters.

Three periods weekly, counting as three credits.  
Elective. Prerequisite, Chinese 134.

**153. Hsui Ku Hsioh—Advanced Etymology ( 訓詁學 ).** A thorough study of the origin and evolution of the meanings of Chinese characters.

Three periods weekly, counting as three credits.  
Elective. Prerequisite, Chinese 134.

**154. Introduction to and History of the Chinese Classics ( 經學通論及經學歷史 ).** This course is a methodical study of the origin, the schools of thought, and the fundamental principles of Chinese classics, due attention being given to the causes of their development and decline through the different dynasties.

Four periods weekly, counting as four credits.  
Elective. Prerequisite, Chinese 132.

**155. Introduction to Chinese Poetry ( 詩學概論 ).** This is an introduction to the forms, rules, and history of Chinese poetry.

Three periods weekly, counting as three credits.  
Elective. Prerequisites, Chinese 145A and 145B.

**156. History of the "Ts'i" (a genre of chants) and Its Technique ( 詞學通論及詞史 ).** This course is a detailed study of the history and development of a branch of Chinese poetry called "Ts'i", attention being given to its technique and musical principles, as well as to criticism and appreciation of this style of poetry.

Four periods weekly, counting as four credits.  
Elective. Prerequisite, Chinese 146.

**157. Selected Plays ( 金元戲曲選 ).** This is a study of a number of selected dramas by representative authors in the Kin and Yuan dynasties, attention being given to the development and changes brought about by the Pei-ch'u; and the Nan-ch'u.

Three periods weekly, counting as three credits.  
Elective. Prerequisites, Chinese 145B and 146.

**158. History of the Drama and Its Technique ( 曲學概論及曲史 ).** This is a detailed study of the history and development of the Chinese drama, with special reference to its technique and musical principles, including criticism and appreciation of this branch of literature.

Four periods weekly, counting as four credits.  
Elective. Prerequisite, Chinese 157.

**159. Great "Ts'i" (a genre of chants) Writers ( 專家詞 ).** This is a thorough study of the works of one of the great "Ts'i" writers with particular reference to the talent, intelligence, and environment of the author. The author chosen each semester is left to the discretion of the instructor.

Three periods weekly, counting as three credits.  
Elective. Prerequisite, Chinese 146.

**160. Ch'u Ts'i—an early southern type of poetry, often elegiac ( 楚辭 ).** This is a thorough study of the Ch'u Ts'i, including geographical and historical relations.

Three periods weekly, counting as three credits.  
Elective. Prerequisite, Chinese 145A.

**161. Selected Poets ( 專家詩 ).** This is a thorough study of the works of one of the great poets with particular reference to the talent, intelligence, temperament, as well as the environment of the author. The poet chosen each semester is at the option of the instructor.

Three periods weekly, counting as three credits.  
Elective. Prerequisites, Chinese 142A and 142B.

**162. Great Prose and Verse Writers (專家文).** This is a thorough study of the writings of one of the great prose or verse writers. The author chosen for each semester is at the option of the instructor.

Three periods weekly, counting as three credits.  
Elective. Prerequisite, Chinese 130.

**163. Paleography (甲骨文).** This is a study of ancient tablets, monuments, and other antiquities, all of which have significance in Chinese literature.

Three periods weekly, counting as three credits.  
Elective. Prerequisite, Chinese 151.

**164. Chung Ting Wen (鐘鼎文).** This is a direct study of inscriptions on ancient bronze vessels.

Three periods weekly, counting as three credits.  
Elective. Prerequisite, Chinese 151.

**165. Seminar on Chinese Classics (專經研究).** This is a critical study of one of the Chinese classics. The classic chosen for each semester is at the option of the instructor.

Three periods weekly, counting as three credits.  
Elective. Prerequisites, Chinese 151, 152, 153, 154.

**166. Seminar on Individual Chinese Philosophers (諸子專著研究).** This is an intensive study of the works of one of the great Chinese thinkers previous to the Ch'ing dynasty. The philosopher chosen for each semester is at the discretion of the instructor.

Three periods weekly, counting as three credits.  
Elective. Prerequisite, Chinese 132.

**167. Buddhist Literature (佛教文學).** This is a critical study of Buddhist literature translated by Chinese scholars, with special reference to literary values.

Three periods weekly, counting as three credits.  
Elective. Prerequisites, Chinese 151, 152 and 153.

**168. Method of Teaching Chinese (國文教學法).** This course aims to lay the foundation for a proper understanding of the best way to collect materials, to prepare for the teaching of a lesson and presenting it to a class. Each student is required to attend the demonstration classes provided and to teach assigned classes for certain periods of a semester.

Three periods weekly, counting as three credits.  
Elective for students whose major is Chinese Literature.

**169T. Thesis (畢業論文).** Students whose major is Chinese Literature are required to write a thesis on some topic in Chinese

literature, under the direction of the head of the Department or the instructor in charge.

No class period, but counting as two credits.

### Dendrology (Forest Botany)

Students whose major is Forestry are required to take Dendrology 150, 151, 160.

Students whose minor is Forestry are required to take Dendrology 150, 151.

**150. General Dendrology.** A systematic study of Chinese trees and shrubs. The text is in Chinese.

Autumn semesters, two class periods and one three-hour laboratory period weekly, counting as three credits.

**151A. General Dendrology.** A continuation of Dendrology 150.

Spring semesters, two class periods and one three-hour laboratory period weekly, counting as three credits.

**160. Forest Vegetation of China.** A study of Chinese forest vegetation from the ecological and floral points of view. The text is in Chinese.

Autumn semesters, two class periods weekly, counting as two credits.

### Economics

Students majoring in Economics are required to take the following courses: Economics 130, 131, 140, 142, 144, 145, 152, 153, 154, 169T.

Students whose minor is Economics are required to take Economics 130, 131, 140, 142, 144, 145, 154.

With the permission of the Department of Economics, students whose major or minor is Economics may include Education 147 and Sociology 166 among their major or minor credits.

**130. Principles of Economics.** An introductory course intended to familiarize the student with fundamental concepts and principles of economics. Attention is given to the structure of modern economic conditions with emphasis upon the closely integrated character of industry; to value and exchange, money, banking and credit, international trade and protection, rent, interest, wages and profits, in order to discover the principles underlying modern economic life. Text, Ely: Outlines of Economics (Macmillan).

Five periods weekly, counting as four credits.

Required of students whose major or minor is Economics. Prerequisite for all other courses in Economics.

**131. Fundamentals of Accounting.** A thorough discussion of the fundamental principles of accounting, supplemented with systematic practice, set work, problems and questions. Applications of these principles are studied in connection with both sole proprietorship and partnership forms of organization.

Three periods weekly, counting as two credits.

Required of students whose major or minor is Economics.  
Prerequisite, Economics 130.

**132. Principles of Accounting.** Application of the principles of double entry to the corporate form of organization, to the manufacturing type of business and to large enterprises, with adequate supplementary drill in the form of a practice set of books, problems and questions.

Three periods weekly, counting as two credits.

Elective. Prerequisite, Economics 131.

**140. History of Economics.** A study of the evolution of economic thought and organization, with due attention to the present state of economic development in different countries.

Three periods weekly, counting as three credits.

Required of students whose major or minor is Economics.  
Prerequisite, Economics 130.

**142. Advanced Economic Theories.** A critical study of the structure and operations of the economic world and of the more important economic principles. Presuming a general acquaintance with industrial institutions and their functions, it seeks to enunciate with fair precision the economic laws underlying the pecuniary-cooperative-competitive order and to articulate these principles in a rational system. Economic theory is stressed and attention given to the more persistent popular economic fallacies and misconceptions.

Five periods weekly, counting as four credits.

Required of students whose major or minor is Economics.  
Prerequisite, Economics 130.

**143. Labour Problems.** A study of modern labour movements and of the form, aims, and character of unions. A critical analysis of various proposals and legislation affecting the relations between employers and employees.

Three periods weekly, counting as three credits.

Elective. Prerequisite, Economics 130.

**144. Money and Banking.** A general survey of the field of money and banking. Consideration of the evolution, development, and functions of money media; an analysis of commercial banking operations and services performed by banks and other financial

institutions. The theory of the value of money and control of price movements are also considered. Text, Holdsworth: Money and Banking (Appleton).

Four periods weekly, counting as four credits.

Required of students whose major or minor is Economics.  
Prerequisite, Economics 130.

**145. Economic Geography.** A course in "human geography," social and economic in scope, showing the relationship between culture and nature in the broadest sense. Text, Huntington and Cushing: Principles of Human Geography (Wiley).

Three periods weekly, counting as two credits.

Required of students whose major or minor is Economics.  
Prerequisite, Economics 130.

**146. The Chinese Money Market.** A comprehensive survey of the Chinese money market from the social and technical point of view, covering the concentration of funds in the Shanghai money market, the movement of funds in and out of Shanghai, the influence of recent developments in foreign exchanges.

Three periods weekly, counting as three credits.

Elective. Prerequisite, Economics 144.

**147. Banking Practices.** A study of the operation and service of the various departments of commercial banks with special attention to the keeping of various bank records.

Three periods weekly, counting as three credits.

Elective. Prerequisite, Economics 144.

**148. Labour Legislation.** A study of the origin and development of the labour laws of various countries with stress on the significance of limitation of hours, minimum wage, workmen's compensation acts, and laws relating to the employment of women and children, etc., as well as on a critical investigation of recent labour laws in China.

Three periods weekly, counting as three credits.

Elective. Prerequisite, Economics 143.

**150. Capitalism and Socialism.** A comparative study of the development of capitalistic and socialistic thought and a critical discussion of the chief contemporary systems of socialism, with special attention on Marxian philosophy, modern evolutionary socialism and present-day radical movements, including a general survey of socialistic movements in various countries.

Three periods weekly, counting as three credits.

Elective. Prerequisite, Economics 142.

**152. International Trade.** A study of the principles and practices of international trade covering the mechanism of foreign

trade, financing of foreign shipments, foreign exchange, marine insurance, tariff problems, factors affecting foreign markets, and foreign trade in China. Text, Litman: *Essentials of International Trade* (Macmillan).

Three periods weekly, counting as three credits.

Required of students whose major is Economics. Prerequisite, Economics 130.

**153. Business Organization and Administration.** A study of types of business organizations, their comparative advantages and disadvantages; various problems of business management, such as production, personnel, marketing, and finance. Text, De Hass: *Business Organization and Administration* (Gregg).

Four periods weekly, counting as four credits.

Required of students whose major is Economics. Prerequisite, Economics 130.

**154. Public Finance.** A study of public income and expenditure, the theory and practice of taxation, the development of budgetary methods and principles, and public debts, with special reference to Chinese financial problems and taxation. Text, Lutz: *Public Finance* (Appleton).

Four periods weekly, counting as four credits.

Required of students whose major or minor is Economics. Prerequisite, Economics 130.

**155. Foreign Exchange.** A study of the theory and practice of foreign exchange, sources of supply and demand, bills of exchange, the foreign exchange market, money rates and the exchange market, import and export credits, speculation in exchange, arbitrage, and possibilities of profit in foreign exchange.

Three periods weekly, counting as three credits.

Elective. Prerequisite, Economics 144.

**156. Municipal Finance.** A study of various problems connected with municipal finance, such as budget making, accounting procedure, collection of taxes and appropriation of funds. Text, Buck: *Municipal Finance* (Macmillan).

Three periods weekly, counting as three credits.

Elective. Prerequisite, Economics 154.

**157. Corporation Finance.** A course dealing with the theory and practice of corporation finance, including the organization, promotion, financing, and intercorporate relations of modern business corporations, with particular reference to the problems of finance and the division of income, risk, and control.

Two periods weekly, counting as two credits.

Elective. Prerequisite, Economics 153.

**158A. Value.** A study of the general concept of value, followed by a full discussion on the leading theories regarding value, such as labour cost, the cost of production, opportunity cost, marginal utility, social value, etc., and the relation between value and price, with emphasis on the fundamental factors of price determination.

Three periods weekly, counting as three credits.

Elective. Prerequisite, Economics 142.

**158B. Distribution.** A continuation of Economics 158A. At all times the student is encouraged to develop independence of thought, for which purpose concrete problems are presented for analysis.

Three periods weekly, counting as three credits.

Elective. Prerequisite, Economics 158A.

**159. Taxation.** A study of the principal taxes, including customs and internal revenue imposts, and personal and corporation income taxes, with special emphasis on assessment and incidence. The technique and problems of treasure administration are also considered.

Three periods weekly, counting as three credits.

Elective. Prerequisite, Economics 154.

**160A. History of Economic Thought.** A study of the history of economic ideas and philosophy from ancient times to the present, including the effect of changing social and industrial systems on economic ideas, the economic interpretation of history, the present economic order, and economic liberalism.

Three periods weekly, counting as three credits.

Elective. Prerequisite, Economics 142.

**160B. History of Economic Thought.** A continuation of Economics 160A.

Three periods weekly, counting as three credits.

Elective. Prerequisite, Economics 160A.

**161. History of Economic Thought in China.** A study of the development of economic thought from the period preceding the Ts'ing dynasty to the present time, including the place of Chinese economic thought in the world, the effect of economic thought on economic conditions in different periods, the Chinese physiocrats, and modern Western influences.

Three periods weekly, counting as three credits.

Elective. Prerequisite, Economics 142.

**162. Chinese Currency Problems.** A description of the chaotic condition of Chinese currency, a study of its causes and effects, and discussion of possible remedies.

Two periods weekly, counting as two credits.  
Elective. Prerequisites, Economics 146, 154, 155.

**163. Principles of Central Banking.** A study of the position of the central bank in the money market.

Two periods weekly, counting as two credits.  
Elective. Prerequisite, Economics 144.

**168. Tariff Problems of China.** A study of the various problems concerning the Chinese tariff.

Two periods weekly, counting as two credits.  
Elective. Prerequisite, Economics 152.

**169T. Thesis: Seminar in Economics.** A carefully supervised project and thesis in either the spring or the autumn semester, required of seniors whose major is Economics.

Two credits.

**170. Modern Economic Thought.** A course of advanced reading in contemporary economic theories, with emphasis on their application in the relationships between China and Western countries.

Three periods weekly, counting as three credits.  
Elective. Prerequisites, Economics 160A, 160B.

### Education

This course is divided into three sections, namely, Education, Psychology, and Library Science.

Students whose major is Education are required to take the following courses: Education 140, 141, 142, 144, 145, 146, 147, 150, 153, 156, 159, 169T.

Students whose minor is Education are required to take the following courses: Education 140, 142, 145, 150, 153, 156, 159.

**140. Introduction to Education.** A general view of education, making possible guidance in the selection of a specific field of service, acquaintance with technical vocabulary, etc.

Four periods weekly, counting as four credits.

Required of students whose major or minor is Education.

**141. Mental and Educational Tests.** The theory of measurement and the technique of applying tests to diagnose educational defects and mental make-up.

Four periods weekly, counting as four credits.

Required of students whose major is Education. Prerequisite, Psychology 130.

**142. Educational Psychology.** A course to meet the needs of students who have had little previous training in psychology,

including native endowment, habit formation, economy and technique of learning, the thought process, etc.

Three periods weekly, counting as three credits.

Required of students whose major or minor is Education.

**143. Educational Sociology.** An analysis of the elements of society as found in human nature, and of social interactions and their conditioning, particularly in their collective aspects; also a discussion of social institutions and social organizations, the nature of progress and some of the outstanding social problems of modern life.

Two periods weekly, counting as two credits.

Elective. Prerequisite, Education 140.

**144. Child Study.** A scientific study of children with reference to the nature and needs of childhood. Attention is given to the pre-adolescent and adolescent stages of development. Collateral readings and term papers are required. (See Psychology 144.)

Four periods weekly, counting as four credits.

Required of students whose major is Education. Prerequisite, Psychology 130.

**145. Elementary Education.** This course is divided into three parts: (1) an introduction, showing the significance and scope of elementary education, the development of elementary schools up till the present time and the effect of foreign influences on these schools at different times in China, as well as a comparison of elementary education in the various countries; (2) the organization and administration of elementary education, including problems of school building and equipment, the grade system and various plans for promotion, the curriculum, the marking system, educational measurements, treatment of teachers, and related problems; and (3) a critical treatment of the different methods adopted in various schools. Extensive reading, reports, and a term paper are required.

Four periods weekly, counting as four credits.

Required of students whose major or minor is Education. Prerequisite, Education 140.

**146. History of Education.** A study of the development of educational thought and practice as determined by social, political, economic, and religious conditions in various countries and periods.

Four periods weekly, counting as four credits.

Required of students whose major is Education.

**147. Principles and Statistics.** A study of the elementary principles of statistics and their application; methods of gather-

ing, presenting, and interpreting statistical data; central tendency, variability, index number, time series, graphic method, normal curve, reliability, correlation, etc.

Four periods weekly, counting as four credits.

Required of students whose major is Education.

**150. Philosophy of Education.** A study and discussion of the desirable principles underlying educational procedure in a democratic society. Kilpatrick's syllabus is followed with adaptations to the more specific problems of Chinese education.

Three periods weekly, counting as three credits.

Required of students whose major or minor is Education.

Prerequisite, Education 140.

**152. Psychology of Elementary and Secondary School Subjects.** A study of the psychology of learning as applied to the organization and teaching of elementary and middle school subjects. Collateral readings and term papers are required.

Three periods weekly, counting as three credits.

Elective. Prerequisite, Psychology 130.

**153. Classroom Management.** A study including classroom routine, the daily program, supervision of study, attendance, discipline, and individual adjustments. Readings and reports of special interest to individual students are required.

Three periods weekly, counting as three credits.

Required of students whose major or minor is Education.

Prerequisite, Education 142.

**156. Principles of High School Education.** A study of the problems confronting a teacher with a view to helping him to formulate certain principles to guide him in high school teaching.

Three periods weekly, counting as three credits.

Required of students whose major or minor is Education.

Prerequisite, Education 140.

**159. Educational Administration.** A course giving the student a knowledge of the history of educational institutions, of national and provincial responsibility for local education, of the business administration of schools, of school buildings and equipment, and the like.

Three periods weekly, counting as three credits.

Required of students whose major or minor is Education.

Prerequisites, Education 140, 150.

**160. School Hygiene.** This course gives the prospective teacher a knowledge of the best ways of caring for the health of his students.

Two periods weekly, counting as two credits.

Elective.

**161. Curriculum Study.** A study of (1) the significant educational points of view and their application to curriculum making, (2) the bearing of current social factors upon curriculum construction, (3) a critical examination of the various psychological viewpoints and their relation to curriculum building, and (4) the contributions of research and experimental studies to the selection and arrangement of materials of instruction.

Three periods weekly, counting as three credits.

Elective. Prerequisite, Education 150.

**164. Theory of Measurement.** A thorough study of statistical principles for scale making.

Three periods weekly, counting as three credits.

Elective. Prerequisite, Education 141.

**165. Advanced Educational Psychology.** A systematic course treating of the psychological basis of educational theory.

Three periods weekly, counting as three credits.

Elective. Prerequisite, Education 142 or Psychology 130.

**169T. Thesis.** A carefully supervised project and thesis, required of seniors whose major is Education.

Two credits.

### Entomology

Entomology is a minor subject. Students whose minor is Entomology are required to take Zoology 140, 141, 156, 157, two credits in elective courses in the Department of Zoology, and Economics 130. For descriptions of these courses see pages 79, 131 and 133.

### Foreign Languages

The Department of Foreign Languages includes French, German, and Japanese besides English. French, German, and Japanese are not accepted for major or minor requirements, and students electing these courses must do so for one year; otherwise no credit will be given.

### ENGLISH

Students whose major is English are required to take the following courses in addition to the freshman required courses: English 140, 141, 150, 152, 153, 160, 162, 163, 169T.

Students whose minor is English are required to take the following courses in addition to the freshman required courses: English 140, 141, 150, 152.

**120, 121. Fundamentals of English.** Practice in reading, grammar, and conversation, especially for those whose middle school work in English has been deficient or taught too exclusively in Chinese. Texts for English 120, Huizinga: *The World's Best Stories* (Commercial Press); and Leiper: *A New English Grammar* (Macmillan). Texts for English 121, Tappan: *Heroes of Progress* (Houghton); and White: *English Study and English Writing* (Heath).

Autumn and spring semesters, five periods weekly, without credit.

**130. Freshman English for Arts Students.** A course with emphasis not only on grammar, idiom, etc., but also on literary structure and values, and plot and character development. Theme writing and oral composition are required. Texts, Dickens: *Tale of Two Cities* (Commercial Press); and Lomer and Ashmun: *Study and Practice of Writing English* (Houghton).

Every semester, five periods weekly, counting as four credits. Required of arts freshman.

**132. Freshman English for Agricultural and Science Students.** A course, like English 130, including a study of literary structure and values, and plot and character development. Theme writing and oral composition are required. Texts, Eliot: *Silas Marner* (Macmillan Pocket Edition); and Lomer and Ashmun: *Study and Practice of Writing English* (Houghton).

Every semester, five periods weekly, counting as four credits. Required of agricultural and science freshmen.

**135. Reading and Composition.** This course is designed to introduce the student to various types of stories of modern-day English which will help in the use of other textbooks. Compositions are written relating to the various problems arising from situations in the reading. There are daily assignments, written quizzes, discussions, and composition writing in this course. Text, Hanson and Gross: *Short Stories of To-day* (Ginn).

Every semester, five periods weekly, counting as four credits.

Required of all second semester arts freshmen. Prerequisite, English 130.

**136. Scientific Essays and Composition.** This course aims to acquaint the student with some of the standard scientific essays as well as news articles and papers of a scientific nature being published at the present time. Compositions dealing with scientific problems are an outstanding part of this course. Assigned readings, quizzes both oral and written, and discussions are included in the course. Text, Cunningham: *Adventures in Science* (Ginn).

Every semester, five periods weekly, counting as four credits. Required of all second semester science freshmen. Prerequisite, English 132.

**140, 141. History of English and American Literature.** One semester is devoted to the history of English literature, the aim being to give a knowledge of the development of English literature; the chief writers, with illustrative readings in each; and some appreciation of the best works. The history of American literature is studied in the second semester, the aim being to give a knowledge of the development of American literature; the chief writers, with illustrative readings in each; and some appreciation of the best works. Text, Long: *Outlines of English and American Literature*.

Four periods weekly for two semesters counting as eight credits for the year.

Required of students whose major or minor is English. Prerequisite, English 135.

**142. Masterpieces of European Literature.** This is an introduction to European literature beginning with the ancient Greek and Roman classics down through the modern European national literatures. Text, Zucker: *Western Literature, Volume I* (Commercial Press).

Spring semester 1933, three periods weekly, counting as three credits.

Elective for juniors and seniors. Prerequisites, English 140, 141.

**143. Literary Study of the Bible: Jewish Literature.** This is a study of the Bible as literature and its influence upon Western thought and literature. Text, Nelson (editor): *The Bible* (American Standard Version).

Autumn semesters 1931 and 1933, three periods weekly, counting as three credits.

Elective. Prerequisites, English 140, 141.

**150. The English Essay.** This is a study of the development of the essay. There are lectures and assigned readings, a study of representative essays, class discussions and reports.

Spring semester 1933, two periods weekly, counting as two credits.

Required of students whose major or minor is English. Prerequisite, English 140.

**151. The English Short Story.** This is a study of the development and nature of the short story. There are lectures and assigned readings, and class discussions of representative stories. Text, Sherman: *A Book of Short Stories* (Holt).



Spring semesters 1932 and 1934, three periods weekly, counting as three credits.

Elective for juniors and seniors and for sophomores by permission of the instructor. Prerequisites, English 140, 141.

**152. Advanced Composition.** This is a study of the principles underlying good prose. There is practice in writing themes in all forms except argumentation. Text, Pence: College Composition (Macmillan).

Spring semesters, three periods weekly, counting as three credits.

Required of students whose major or minor is English. Prerequisite, English 135.

**153. The English Novel.** This is a study of the development of the novel with some attention to the principles underlying the construction of novels. Some representative novels are read together with other collateral and reference readings which form a basis for discussion. Reports on all reading are expected. Text, Cross: The Development of the English Novel (Macmillan).

Autumn semesters 1932 and 1934, three periods weekly, counting as three credits.

Elective for juniors and seniors. Prerequisite, English 140.

**154. Public Speaking.** Theories of public speaking; the laws of effective expression, of delivery, of attention; argumentation and debating, together with practice exercises of various kinds are given special attention, as well as discussions on theories, written exercises and practice speaking.

Autumn semesters, three periods weekly (one lecture and discussion period and two periods of practice speaking), counting as two credits.

Elective for juniors and seniors and for sophomores by permission of the instructor. Prerequisite, English 135.

**155. Twentieth Century Poetry.** This is a study of recent developments in American, British, and Irish poetry.

Autumn semesters 1931 and 1933, two periods weekly, counting as two credits. Prerequisites, English 140 and 141.

**160. The English Drama.** This is an outline history of the drama down to Goldsmith and Sheridan. Readings from plays are assigned to show the development of the drama. Texts, Brawley: A Short History of the English Drama (Harcourt Brace); Matthews and Lieder: Chief British Dramatists (Houghton, Mifflin); and Matthews: A Study of the Drama (Houghton, Mifflin).

Spring semester 1932, three periods weekly, counting as three credits.

## DESCRIPTION OF COURSES

Elective for juniors and seniors. Prerequisite, English 140.

**160B. Shakespearian Drama.** This course aims to present a study of plays representing the growth of Shakespeare's genius. Autumn semester 1933, three periods weekly, counting as three credits.

Elective for juniors and seniors. Prerequisite, English 160.

**161. English Versification.** This course consists of a study of the principles of English prosody and of representative poems to illustrate all forms.

Spring semester 1933, two periods weekly, counting as two credits.

Elective for juniors and seniors. Prerequisites, English 140, 141.

**162. The Teaching of English.** This course consists of a study of materials and methods of teaching English. Assigned references or prescribed topics are required. Practice teaching is arranged for as far as possible.

Spring semesters 1932 and 1934, two periods weekly, counting as two credits.

Required of students whose major is English. Prerequisite, English 140.

**163. English Phonetics.** This is a study of English sounds and their formation to ascertain the basis of correct pronunciation. Writing and reading in phonetic script are required. The course is primarily for students who intend to teach English. Text, Jones: Pronunciation of English (Cambridge).

Autumn semesters 1931 and 1933, two periods weekly, counting as two credits.

Required of students whose major is English. Prerequisite, English 140.

**164. Modern English Drama.** This is a study of the drama from Goldsmith and Sheridan to the present day. Readings of plays, class discussions and some dramatic presentations are an essential part of this course. Texts, Brawley: A Short History of the English Drama (Harcourt Brace); Hubbell and Beaty: An Introduction to Drama (Macmillan); and Matthews and Lieder: Chief British Dramatists (Houghton, Mifflin).

Autumn semester 1932, three periods weekly, counting as three credits.

Elective for juniors and seniors. Prerequisite, English 160.

**165. Nineteenth Century Poetry.** This is a study of the more important English poets from Wordsworth to Masfield, with emphasis on their relationship to the social, intellectual, and religious movements of the time.

Spring semesters 1932 and 1934, three periods weekly, counting as three credits.

Elective for juniors and seniors. Prerequisites, English 140, 141.

**169T. Thesis.** A carefully supervised project and thesis. No class periods but counting as two credits. Required of seniors majoring in English.

#### FRENCH

**140, 141. Elementary French.** These are beginning courses covering grammar, sentence making, reading, writing, and translation.

Five periods weekly for two semesters counting as eight credits for the year.

Elective for sophomores, juniors and seniors.

#### GERMAN

**140, 141. Elementary German.** These are beginning courses covering grammar, sentence making, reading, writing, and translation.

Five periods weekly for two semesters, counting as eight credits for the year.

Elective for sophomores, juniors and seniors.

#### JAPANESE

**140, 141. Elementary Japanese.** These are beginning courses covering grammar, sentence making, reading, writing, and translation.

Five periods weekly for two semesters, counting as eight credits for the year.

Elective for sophomores, juniors and seniors.

#### Forest Engineering

Students whose major is Forestry are required to take Forest Engineering 150, 160.

Students whose minor is Forestry are required to take Forest Engineering 150.

**150. Plane Surveying.** A study in the theory and practice in the use of steel tape, transit levels, compass, etc. Text, T. C. Tracy: Plane Surveying with Exercises (Wiley).

Autumn semesters, one class period and two three-hour laboratory periods, counting as three credits.

**160. Reclamation of Forest Lands and Torrent Regulation.** A study of the methods used in correcting mountain torrents, reclamation of eroded soil, and the fixing of sand dunes.

Autumn semesters, two class periods and one three-hour laboratory period weekly, counting as three credits.

#### Forest Management

Students whose major is Forestry are required to take Forest Management 150, 160, 161.

Students whose minor is Forestry are required to take Forest Management 150.

**150. Forest Mensuration.** A study of the methods of measuring and computing the contents of standing trees and logs, and determining the growth of trees and stands. Text, Chapman: Forest Mensuration (Wiley).

Spring semesters, two class periods weekly, counting as two credits.

**160. Forest Valuation.** A study of the economic principles underlying forest finance, compound interest, etc. References, Chapman: Forest Valuation (Wiley); and Chapman: Forest Finance (Wiley).

Spring semesters, two class periods weekly, counting as two credits.

**161. Forest Management.** A study of the business principles of forest management, with emphasis on the theory of working plans. References, Recknagel: Theory and Practice of Forest Working Plans (Wiley); Woolsey and Roth: Forest Regulation.

Spring semesters, two class periods weekly, counting as two credits.

#### Forest Policy

Students whose major is Forestry are required to take Forest Policy 140, 160, 161.

Students whose minor is Forestry are required to take Forest Policy 160.

**140. General Forestry.** An elementary course required of all students. The text is in Chinese.

Spring semesters, two class periods weekly, counting as two credits.

**160. Forest Policy and Laws.** A study of the development of forest policy and laws in foreign countries with reference to the application of their past experience to China's forest problems. The text is in Chinese.

Autumn semesters, three class periods weekly, counting as three credits.

**161. Forest Geography.** A course dealing with forests and forestry, past and present, and tendencies throughout the world. The text is in Chinese.

Spring semesters, two class periods weekly, counting as two credits.

#### **Forest Protection**

See under Silviculture and Forest Protection, page 126.

#### **Forest Utilization**

Students whose major is Forestry are required to take Forest Utilization 150, 160.

Students whose minor is Forestry are required to take Forest Utilization 150.

**150. Wood Technology.** A study of the structure, identification, and mechanical property of Chinese commercial woods.

Two lecture periods and one three-hour laboratory period weekly, counting as three credits.

**151. Forest Utilization.** A study of the logging and transportation of timber and the use of forest products, etc. The text is in Chinese.

Spring semesters, two class periods weekly, counting as two credits.

**160. Chemical Technology of Forest Products.** A course giving particular attention to wood distillation and wood preservation, and the manufacture of camphor, tungoil, etc. The text is in Chinese.

Autumn semesters, three class periods and two three-hour laboratory periods weekly, counting as five credits.

#### **Geology**

**140. General Geology.** A study of geologic processes and the earth features which they produce; the origin and interpretation of land forms; the atmosphere, running water, the oceans, underground water, igneous agencies, and diastrophism; dynamic and structural geology; and the formation of rocks and elementary work on their recognition. Text, Pirsson and Schuchert; Text-book of Geology, Vol. I (Wiley).

Autumn semesters, three periods weekly, counting as three credits.

Elective.

**141. Historical Geology.** A study of the origin and development of the earth as shown by the record of rocks; changes in

climate and the distribution of land and sea: mountain formation and erosion; the evolution of living forms in response to changing environments and their development into the present flora and fauna; and the geological history of China. Text, Pirsson and Schuchert: Textbook of Geology, Vol. I (Wiley); and Pirsson and Schuchert: Textbook of Historical Geology (Wiley).

Spring semesters, three periods weekly, counting as three credits.

Elective. Prerequisite, Geology 140.

#### **History**

Students whose major is History should choose Political Science, Economics, Sociology, Philosophy, or Education as their minor subject. They are required to take History 130, 134, 135, 150, 151, 156, 169T, and Political Science 140. They are urged to take English 140, Political Science 141 and 144, and Sociology 140 as electives.

Students whose minor is History are required to take History 130, 134, 135, and Political Science 140. They are urged to elect English 140, Political Science 141, and Sociology 140.

**130. History of China in the Past Hundred Years.** A thorough course dealing with internal political and economic changes, and with the chief questions of international relations.

Five periods weekly, counting as four credits.

Required of arts freshmen.

**134, 135. Modern European History.** A fundamental course in the history of Europe since 1500, establishing essential concepts of the modern world, and basic for all work in history and social science. Text, Hayes: A Political and Social History of Modern Europe, volumes I and II (Macmillan).

Five periods weekly, counting as four credits each semester.

Required of arts students in second half of freshman and first half of sophomore work.

**136. Europe Since 1815.** This course emphasizes modern economic developments in their full political and social relationships. Text, Schapiro: Modern and Contemporary History of Europe. Revised edition (Houghton, Mifflin).

Five periods weekly, counting as four credits.

Required of science students, and open to agricultural students.

**140, 141. General History of China.** A comprehensive survey of the chief phases and developments of Chinese history. The first part extends to the T'ang Dynasty, and is prerequisite for the second.

Four periods weekly, counting as four credits for each part.  
Elective.

**142. History of India.** A survey of Indian history, with careful study of British rule and rising nationalism. Outline text, Smith: *The Student's History of India*. Tenth edition (Oxford).

Three periods weekly, counting as four credits.

Elective Prerequisites, History 134, 135.

**143. History of Japan.** A survey of Japanese history, with emphasis upon the older culture and recent political and economic developments. Text, Ch'en Kong-luh: *General History of Japan*. In Chinese (Chung Hwa Book Co.).

Three periods weekly, counting as three credits.

Elective. Prerequisites, History 134, 135.

**150, 151. Survey of Universal History.** A critical and comparative study of world history, encouraging analysis and interpretation. For history and social science students this course aims to provide not only useful content and method, but a synthesis or comprehensive world view in which cultural, economic, social, and political developments appear in their actual relationships. Suggestive text, Wells: *Outline of History* (Macmillan).

Four periods weekly, counting as eight credits.

Required of students whose major is History. Prerequisites, History 134, 135.

**152. History of Great Britain.** A comprehensive study of British history, with thorough reading on modern developments of the constitution, the industrial revolution, and problems of the Empire. Text, Hulme: *History of the British People* (Century).

Four periods weekly, counting as four credits.

Elective. Prerequisites, History 134, 135.

**153. History of the United States.** A careful study of the development of the American people, with emphasis upon their distinctive problems and achievements.

Three periods weekly, counting as four credits.

Elective. Prerequisites, History 134, 135.

**154. The World To-day.** Studies in contemporary history. May be counted as political science credit if desired.

Three periods weekly, counting as three credits.

Elective. Prerequisites, History 134, 135.

**155. History of Russia.** A study of the development of Imperial Russia and of the changes brought by the Soviet Revolution. Recommended text, Vernadsky: *History of Russia*. Revised edition (Yale).

Three periods weekly, counting as four credits.  
Elective. Prerequisites, History 134, 135.

**156. Historical Methods and Historiography.** A seminar in methods and principles of historical work. Illustrations are found in selected readings from famous historians. Recommended text, Langlois et Seignobos: *Introduction aux Etudes Historiques* (in Chinese or English translation).

Two periods weekly, for two or more credits as individually arranged.

Required of students whose major is History.

**157, 158. Diplomatic History of Europe, 1870-1914 and 1914-1931.** A study of international relations and of the foreign policies of leading countries in their actual development. May be counted as political science credit if desired.

Four periods weekly, counting as four credits for each part.

Elective. Prerequisites, History 134, 135.

**159. History of China under the Ming and Ch'ing Dynasties.** A comprehensive and thorough survey of modern Chinese history. This course should follow 141.

Three periods weekly, counting as three credits.

Elective.

**169T. Thesis Course.** A carefully supervised project and thesis, required of seniors majoring in history.

Two credits.

#### Special Notes:

A. In addition to the courses listed above, members of the staff of the Institute of Chinese Cultural Studies offer further items in the field of history, such as: *Introduction to the Twenty-four Official Histories*; *History of Mongolia*; *History of the Cultural Relations of China with Japan*; *History of Korea*; *Western Contributions to Chinese Historical Studies*.

B. With the permission of the Department of History, students taking major or minor work in History may count Political Science 148 as history credit.

#### Horticulture

Students whose major is Horticulture are required to take Horticulture 140, 141, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159P, 169P; and are urged to also take Agricultural Economics 151, 161; Agronomy 142, 143, 150, 151; Botany 141, 151, 152, 153, 155, 156, 165; Chemistry 141B, 151; Dendrology 150, 151; Forest Engineering 150, French 140, 141, or German 140, 141, or Japanese 140, 141; and Zoology 157.

Students whose minor is Horticulture are required to take Horticulture 140, 141, 150, 151, 152, 153.

**140, 141. General Horticulture.** A course dealing with fruit growing, vegetable gardening, floriculture, plant propagation, seed storage, and insect and disease control, and giving the general principles of landscape gardening.

Autumn and spring semesters, three class periods weekly, counting as two credits each semester.

Prerequisite, Botany 131.

**150, 151. Pomology.** The first part of this course deals with fruit propagation, distribution of different varieties, and orchard management, with special emphasis on the methods of pruning, tillage, applying fertilizers, and controlling diseases and insects. The second part is a study of the cultural requirements of various important Chinese fruits.

Autumn and spring semesters, two class periods and one three-hour laboratory period weekly, counting as three credits each semester.

Prerequisites, Horticulture 140, 141.

**152. Vegetable Gardening.** A course dealing with the cultural and breeding methods of the important vegetables, including the forcing, blanching, and retarding methods.

Two class periods and one three-hour laboratory period weekly, counting as three credits.

Prerequisites, Horticulture 140, 141.

**153. Floriculture.** A course dealing with the general principles of flower growing, greenhouse construction and classification of flowers.

Two class periods and one three-hour laboratory period weekly, counting as three credits.

Prerequisites, Horticulture 140, 141.

**154. Systematic Pomology.** An advanced course dealing with Chinese economic fruits, their classification and geological distribution. In the laboratory the morphological identification, description and investigation of economic fruits are emphasized.

Two class periods and one three-hour laboratory period weekly, counting as three credits.

Prerequisites, Horticulture 150, 151.

**155. Landscape Gardening.** A course dealing with the history and development of gardens and parks, their design, and materials used. In the garden laboratory surveying, drawing and designing are practised.

Two class periods and one three-hour laboratory period weekly, counting as three credits.

Prerequisite, Horticulture 153.

**156. Greenhouse Culture.** A course dealing with the construction and management of greenhouses, and the culture and propagation of greenhouse flowers, etc.

Two class periods weekly, counting as two credits.

Prerequisite, Horticulture 153.

**157. Fruit and Vegetable Products.** A course dealing with the storage, preservation, and canning of fruits and vegetables. Two class periods weekly, counting as two credits.

Prerequisites, Horticulture 150, 152.

**158. Advanced Horticulture.** A course dealing with the special problems of horticulture, such as plant physiology, genetics, plant breeding, biochemistry, and their relation to horticulture. Time and credits to be arranged.

**159P. Project.** Field practice in fruit and vegetable growing. Autumn and spring semesters, two three-hour laboratory periods weekly, counting as two credits.

Prerequisites, Horticulture 140-141.

**169P. Project.** Field practice in floriculture and landscape gardening.

Autumn and spring semesters, two three-hour laboratory periods weekly, counting as two credits.

Prerequisite, Horticulture 159P.

**169T. Thesis.** A thesis based on the data obtained in the projects undertaken in Horticulture 159P and 169P.

Spring semesters, counting as two credits.

**Note: Summer Field Work.** Students majoring in Horticulture are required to do summer field work for six weeks without credit.

### Library Science

Library Science is not a major subject but students may select it as a minor, in which case they are required to take Library Science 140, 141, 144, 151, 152, 153 and the elective courses.

**140. General Library Science.** A course dealing with the organization and administration of libraries, including a discussion of all phases of library economy, such as book selection, cataloguing, classification, shelving, binding, circulation, extension, etc. Exercises follow each lesson. Visits to local libraries are required.

Four periods weekly, counting as four credits.

Required of students whose minor is Library Science.

**141. How to Use Reference Books.** A study of the most important standard works of reference, both Chinese and Western. Problems of reference work are also discussed. Exercises follow each lesson.

Three periods weekly, counting as three credits.

Required of students whose minor is Library Science.

**144. Bibliography.** A study of the principles and methods of compiling bibliographies, including discussions on various types of bibliographies after examining important bibliographies of various branches of science. The compiling of a bibliography on a selected subject is required.

Three periods weekly, counting as three credits.

Required of students whose minor is Library Science.

**151. Classification.** A study of the nature and principles of book classification, including a comparative study of Chinese and Western classification systems. Exercises and practice in book numbering follow each lesson.

Three periods weekly, counting as three credits.

Required of students whose minor is Library Science. Prerequisite, Library Science 140.

**152. Cataloguing.** A study of the principles and methods of cataloguing Chinese and Western books. A comparative study of various catalog codes will be made, with special emphasis on the practical problems of scientific cataloguing of Chinese books. Exercises follow each lesson.

Three periods weekly, counting as three credits.

Required of students whose minor is Library Science. Prerequisite, Library Science 140.

**153. Circulation.** A course designed to show how readers may be guided in the use of libraries, including a study of the different charging systems.

Two periods weekly, counting as two credits.

Required of students whose minor is Library Science. Prerequisite, Library Science 140.

**154. Periodicals, Newspapers, and Official Documents.** A study of methods of preserving and cataloguing periodicals, newspapers, and official documents, and how to use them. Discussions and outside reading.

Two periods weekly, counting as two credits.

Elective. Prerequisite, Library Science 141.

**155. Special Libraries.** A discussion of problems of the organization and management of various specialized libraries, with

emphasis on children's libraries, technical libraries, and school libraries. Discussions and outside reading.

Three periods weekly, counting as three credits.

Elective. Prerequisite, Library Science 140.

**160. History of Books.** A study of the origin and evolution of the history of printing. Binding and illustrating are also considered.

Two periods weekly, counting as two credits.

Elective for juniors and seniors.

**163. Book Selection.** An advanced study of the principles of book selection and problems involved in the selection of books for various types of libraries. Trade bibliographies and orders are discussed.

Two periods weekly, counting as two credits.

Elective.

### Mathematics

Students whose major is Mathematics are required to take Mathematics 130, 131, 140, 141, 142, 143, 150, 151, 152, 161, 163, 169T, and Physics 146.

Students whose minor is Mathematics are required to take Mathematics 130, 131, 140, 141, 142, 143, 150 and 151.

**122. Unified Mathematics.** A combined study of trigonometry, higher algebra, and analytic geometry, arranged for new students conditioned in Mathematics in the college entrance test. Text, Moritz: A Short Course in College Mathematics (Macmillan).

Every semester, five periods weekly, without credit.

**130. Plane Analytic Geometry.** Curve tracing and the locus problem in Cartesian and polar coordinates; straight lines; circles; conic sections; transformation of axes; properties of conics involving tangents, diameters, asymptotes, and parametric equations. Text, Smith, Gale and Neelley: New Analytic Geometry (Ginn).

Every semester, three class periods and one two-hour laboratory period weekly, counting as three credits.

Required of all science students. Prerequisite, Mathematics 131.

**131. College Algebra.** A study of such elementary topics as simple equations, quadratic equations, simultaneous equations, ratio, proportion, variation, series, surds, logarithms, theory of equations, permutations, combinations, probability, determinants, imaginary numbers, scales of notation.

Every semester, three class periods and one three-hour laboratory period weekly, counting as three credits.

Required of all science students.

**133. Unified Mathematics I.** The essentials of plane trigonometry and plane analytic geometry, algebra, differential calculus, and their application to the social sciences.

Spring semesters, three periods weekly, counting as three credits.

Elective for arts students.

**134. Unified Mathematics II.** The essentials of plane trigonometry and plane analytic geometry, algebra, and differential calculus and their application to agriculture.

Autumn semesters, three periods weekly, counting as three credits.

Elective for agricultural students.

**138. Descriptive Geometry.** A thorough study of descriptive geometry, including sections, developments, tangent lines and planes, and intersections of surfaces of revolution.

Spring semesters, one three-hour laboratory period weekly, counting as one credit.

Required of electrical engineering students.

**140. Differential Calculus.** Derivatives, maxima and minima, curve-tracing, Maclaurin's and Taylor's series, indeterminate forms and partial derivatives, and their application in geometry and physics. Text, Granville and Smith and Longley: Calculus (Ginn).

Every semester, three periods weekly, counting as three credits.

Required of students whose major or minor is Mathematics. Prerequisite, Mathematics 130, 131.

**141. Integral Calculus.** A continuation of the topics considered in Mathematics 140, together with integration, definite integrals, the process of summation and its various applications, multiple integrals, etc. Text, Granville, Smith and Longley: Calculus (Ginn).

Every semester, three periods weekly, counting as three credits.

Required of students whose major or minor is Mathematics. Prerequisite, Mathematics 140.

**142. Theory of Equations.** A study of complex numbers, fundamental properties of algebraic equations, the relation between roots and coefficients, transformations of equations, cubic and quartic equations, derived functions and multiple roots, Descartes' rule, Sturm's theorem, Budan's theorem, Newton's

method, Homer's method, determinants, symmetric functions, elimination. Text, Dickson: First Course in the Theory of Equations (Wiley).

Three periods weekly, counting as three credits.

Required of students whose major or minor is Mathematics. Prerequisite, Mathematics 131.

**143. Analytic Geometry of Space.** An introductory course dealing with planes, lines, and quadric surfaces by the methods of rectangular coordinates and tetrahedral coordinates. Text, Snyder and Sisam: Analytic Geometry of Space (Holt).

Spring semesters, three periods weekly, counting as three credits.

Required of students whose major or minor is Mathematics. Prerequisites, Mathematics 130, 131, 140.

**144. Analytic Trigonometry.** A fuller study of the subjects covered in elementary trigonometry, together with the expansions of trigonometric functions, series of trigonometric functions, exponential functions, logarithms of complex numbers, and hyperbolic functions. Text, Todhunter or Longley: Plane Trigonometry (Macmillan).

Spring semesters, three periods weekly, counting as three credits.

Elective. Prerequisite, Mathematics 130, 131.

**144A. Spherical Trigonometry.** Relations between the trigonometric functions of the sides and angles of a spherical triangle, various properties of spherical triangles and polygons, properties of circles on sphere, dual theorems relating to great and small circles, Hart's circle, geodetical operations, etc. Text, Todhunter: Spherical Trigonometry (Macmillan).

Spring semesters, three periods weekly, counting as three credits.

Elective. Prerequisite, Mathematics 144.

**146. Theory of Determinants.** A study of the general properties of determinants, additions of determinants, multiplication of theorems, Laplace's and Cauchy's development, reciprocal determinants, special forms of determinants, applications to simultaneous equations, cubic and quartic equations, and invariants.

Spring semesters, three periods weekly, counting as three credits.

Elective. Prerequisites, Mathematics 130, 131, and 140.

**147. Limits and Series.** A study of the theory of limits, giving the more important conceptions and properties in the field of infinite processes, including infinite sequences, infinite series,

infinite products, infinite integrals, higher transcendentals, and other infinite forms. Text, Smail: *Elements of the Theory of Infinite Processes* (McGraw-Hill).

Three periods weekly, counting as three credits.

Elective. Prerequisite, Mathematics 140, 141.

**150. Differential Equations.** An elementary course in ordinary and partial differential equations, including equations of the first, second, and higher orders, and their application to physics, mechanics and geometry. Text, Murray: *Differential Equations* (Longmans).

Autumn semesters, three periods weekly, counting as three credits.

Required of students whose major or minor is Mathematics. Prerequisite, Mathematics 141.

**151. Advanced Calculus.** A more advanced treatment of the fundamental subjects in the field of modern mathematical analysis, including derivatives and differentials, implicit function theorem, the theory of definite integrals, indefinite integrals, double and multiple integrals, infinite series with their differentiation and integration, and their application to geometry. Text, Goursat-Hedrick: *A Course in Mathematical Analysis*, Vol. I. (Ginn).

Spring semesters, five periods weekly counting as four credits.

Prerequisite, Mathematics 150.

**152. Advanced Algebra.** A study of the properties of polynomials, linear dependence, matrices, homogeneous linear transformations, invariants and covariants, quadratic forms, symmetric polynomials, etc. References, Bocher: *Introduction to Higher Algebra* (Macmillan), and Dickson: *Modern Algebraic Theories* (Sanborn).

Autumn semesters, five periods weekly, counting as four

Required of students whose major or minor is Mathematics. Prerequisite, Mathematics 142.

**153. Advanced Analytic Geometry.** Conic sections, harmonic and unharmonic properties, projections, and curves and surfaces in tetrahedral coordinates. Texts, Salmon: *Conic Sections* (Longmans); and Snyder and Sisam: *Analytic Geometry of Space* (Holt).

Autumn semesters, three periods weekly, counting as three credits.

Elective. Prerequisites, Mathematics 130, 143.

**154. Projective Pure Geometry.** Primitive forms, simple and complete rectilinear figures, the principle of duality, Desargue's theorem and harmonic forms, cross-ratios, projective forms of

the first order, conics and their construction, Bascal's and Brianchon's theorems, pole-polar relations, projective forms of the second order, the theory of involution, imaginary elements, etc. Text, Holgate: *Projective Pure Geometry* (Macmillan).

Autumn semesters, three periods weekly, counting as three credits.

Elective. Prerequisite, Mathematics 130.

**155. Theory of Numbers.** A study of the properties of integers, prime numbers, indicators, congruences, Fermat's and Wilson's theorems, primitive roots, and other topics.

Spring semesters, three periods weekly, counting as three credits.

Elective. Prerequisite, Mathematics 131.

**156. Teaching of Mathematics.** A study of the principles, methods and modes of teaching mathematics, as well as of the problems relating to the supervision of mathematics in the primary and middle schools. Text, Young: *The Teaching of Mathematics* (Longmans).

Autumn semesters, two class periods and one two-hour laboratory period weekly, counting as three credits.

**161. Differential Geometry.** Space curves, surfaces and envelopes, the first fundamental form, second fundamental form, and the study of a surface in the neighbourhood of a point, the fundamental theorem, geodesics, special surfaces, deformation of surfaces, and rectilinear congruences. Text, Eisenhart: *Differential Geometry* (Ginn).

Autumn semesters, four periods weekly, counting as three credits.

Required of students whose major is Mathematics. Prerequisites, Mathematics 143, 150, 151.

**162. Algebraic Invariants.** A study of geometrical interpretations and applications of invariants and covariants, invariants and covariants of binary forms, Hermite's law of reciprocity, the fundamental system of covariants, invariants and covariants in terms of roots, differential operators producing covariants, symbolic notation of Aronhold-Clebsch, Hilbert's theorem, the finiteness of a fundamental system of invariants, ternary forms, quaternary forms.

Spring semesters, three periods weekly, counting as three credits.

Elective. Prerequisites, Mathematics 140, 142, 152.

**163. Theory of Functions of a Complex Variable.** Geometrical representation of complex numbers, differentiation and integration of an analytic function of a complex variable, Cauchy's



theorem and integral formula, transcendental functions, linear fractional transformation, infinite series, general properties of a single-valued function, multiple-valued functions and Riemann surface, etc. Text, Townsend: Functions of a Complex Variable (Holt).

Spring semesters, five periods weekly, counting as four credits.  
Prerequisite, Mathematics 151.

**164. Non-Euclidean Geometry.** A historical study of non-Euclidean geometry, including modern developments. Elliptics and hyperbolic geometry and trigonometry. Text, Sommerville: Elements of Non-Euclidean Geometry (Bell).

Three periods weekly, counting as three credits.  
Elective.

**165. Calculus of Variations.** A detailed study of some typical problems, leading to the more general theory of Euler, Weierstrass, Legendre, and Jacobi for a minimizing plane curve, isoperimetric problems, Lagrange's problem, etc. Text, Bliss: Calculus of Variations (Open Court Co.).

Three periods weekly, counting as three credits.  
Elective. Prerequisite, Mathematics 151.

**166. Theory of Finite Groups.** A study of the meaning and applications of finite groups, permutation groups, substitution groups, groups of movements, prime-power groups, generators of groups, series of groups.

Autumn semesters, three periods weekly, counting as three credits.

Elective. Mathematics 152, 155.

**167. Theory of Differential Equations.** Existence theorem, linear and non-linear differential equations, partial differential equations, Cauchy's problem, and methods of solution, etc. Text, Goursat: Mathematical Analysis, Vol. II, Part 1 (Ginn).

Three periods weekly, counting as three credits.

Elective. Prerequisites, Mathematics 150, 151.

**168. Theory of Functions of a Real Variable.** The number system, point sets, general study of the functions of a real variable, Riemann, Lebesgue and other integrals, infinite series, and higher transcendental functions.

Autumn semesters, five periods weekly, counting as four credits.

Elective. Prerequisite, Mathematics 151.

**169. History of Mathematics.** A general chronological survey of the growth of mathematics leading to a discussion of the evolution of various important branches of modern mathematics, with

emphasis on ancient achievements in China.

Three periods weekly, counting as three credits.  
Elective.

**169T. Thesis.** A thesis on a subject to be selected in consultation with the instructor is required before graduation.

Every semester, counting as two credits.  
Required of students whose major is Mathematics.

### Meteorology

**140. General Meteorology.** A study of the weather, including methods of observation; sequence, causes and development of storms; weather prediction, climate, etc. Text, Milham: Meteorology (Macmillan).

Autumn semesters, two periods weekly, counting as two credits.

Required of agricultural and forestry students.

### Philosophy

The following courses are required of students whose major is Philosophy: Philosophy 140, 142, 143, 151, 152, 153, 160, 169T.

Students whose minor is Philosophy are required to take Philosophy 140, 142, 152, 153.

**140. The Theory of Scientific Method.** A study of the basic principles involved in the methods of reflective inquiry and discovery as conducted in the fields of astronomy, biology, mathematics, physics, historical and legal science, and ethics. Collateral readings are required.

Four periods weekly, counting as four credits.

Required of students whose major or minor is Philosophy.  
Prerequisite, Psychology 130.

**142. Introduction to Philosophy.** A general introductory course designed to acquaint the student with the main problems, conceptions, and methods of philosophical interpretation.

Three periods weekly, counting as three credits.

Required of students whose major or minor is Philosophy.

**143. History of Ancient Chinese Philosophy.** A study of the evolution of Chinese thought from ancient times to the Ts'ing dynasty.

Three periods weekly, counting as three credits.

Required of students whose major is Philosophy. Prerequisite, Philosophy 140 or 142.

**144. History of Mediaeval Chinese Philosophy.** A study of the evolution of Chinese thought from the Han dynasty to the

"Five Dynasties."

Three periods weekly, counting as three credits.  
Elective. Prerequisite, Philosophy 143.

**145. History of Modern Chinese Philosophy.** A study of the evolution of Chinese thought from the Sung dynasty to the present time.

Three periods weekly, counting as three credits.  
Elective. Prerequisite, Philosophy 144.

**151. Introduction to Ethics.** This course includes a study of the nature of moral experience and the significant ethical conceptions in modern society.

Three periods weekly, counting as three credits.  
Required of students whose major is Philosophy.

**152. History of Western Philosophy.** A survey of the basic conceptions of Western philosophy in their generic development. Readings are required from selected philosophical classics and from more technical historians, such as Windelband, Comperz, Fraenkel, Höffding, etc.

Four periods weekly, counting as four credits.  
Elective. Prerequisite, Philosophy 140 or 142.

**153. History of Western Philosophy.** A continuation of Philosophy 152, dealing with the development of philosophy since the Renaissance.

Four periods weekly, counting as four credits.  
Elective. Prerequisite, Philosophy 152.

**154. Philosophy of Religion.** A study of the nature of religion and its function in human experience in the light of its instituted forms, its psychological mechanisms, and modern philosophical interpretations.

Three periods weekly, counting as three credits.  
Elective. Prerequisite, Psychology 142.

**157. Introduction to Social Philosophy.** An analysis of the basic concepts in contemporary social thought and an attempt to show the development of such theories and their significance in life.

Three periods weekly, counting as three credits.  
Elective. Prerequisite, Philosophy 142.

**160. Contemporary Western Philosophy.** An advanced course including a survey and critical evaluation of essential features in present-day idealism, realism, materialism, and pragmatism, with attention to special systems such as those of Bergson, Dewey, and Russell. Extensive collateral readings are required.

Three periods weekly, counting as three credits.

Required of students whose major is philosophy. Prerequisites, Philosophy 152, 153.

**161. Logical Theories.** An advanced course giving a survey and critical evaluation of the main types of logical theory. Much collateral reading is required.

Three periods weekly, counting as three credits.  
Elective. Prerequisite, Philosophy 140.

**162. Ethical Problems.** A study of current moral problems including an analysis of the fundamental concepts and basic principles of moral reconstruction.

Three periods weekly, counting as three credits.  
Elective. Prerequisite, Philosophy 151.

**164. Study of Individual Philosophers.** The choice of philosopher to be studied each semester is at the option of the instructor.

Number of periods per week and credits to be arranged.  
Elective.

**165. Research in Philosophy.** A topic in technical philosophy will be selected each semester at the option of the instructor.

Three periods weekly, credits to be arranged.  
Prerequisite, Philosophy credits amounting to twenty.

**169T. Thesis.** Students majoring in Philosophy are required to write a thesis on some philosophic topic under the direction of the head of the Department or the instructor in charge. Ability to understand the topic and to express thoughts will be taken into consideration.

Two credits.

### Physics.

Students whose major is Physics are required to take Physics 130, 131, 140, 142, 146, 147, 151, 152, 156, 164A, 164B, 169T, and Chemistry 132, 155B, Mathematics 140, 141, 150.

Students whose minor is Physics are required to take Physics 130, 131, 142, 146, 147, 152, and Mathematics 140, 141, 150.

**120. Elementary Physics.** A short, intensive study of the fundamental laws and principles of physics, in which much attention is given to definitions, units, and the solution of simple problems. Text, Stewart: Physics—A Textbook for Colleges (Ginn).

Every semester, three class periods and two two-hour laboratory periods weekly, without credit.

**130. General Physics I.** A course aiming at giving the student a clear conception of general physics, which includes a study of mechanics, molecular physics, heat, magnetism, electricity, sound, and light, and a fundamental knowledge of modern physics. Text, Crew: General Physics (Macmillan).

Autumn semesters, three class periods and two three-hour laboratory periods weekly, counting as three credits.

Required of science students.

**131. General Physics II.** A continuation of Physics 130, in which the same text is used.

Spring semesters, three class periods and two three-hour laboratory periods weekly, counting as four credits.

Required of science students.

**133. General Physics III.** A course in general physics for arts students covering the contents of Physics 130 and 131 and an introduction to modern physical theories. Text, Crew: General Physics (Macmillan).

Spring semesters, three class periods and two three-hour laboratory periods weekly, counting as four credits.

Elective for arts students.

**134. General Physics IV.** A course in general physics for agricultural students, with special emphasis on mechanics, heat, and electricity. Agricultural problems are assigned for solution. Text, Crew: General Physics (Macmillan).

Autumn semesters, three class periods and two three-hour laboratory periods weekly, counting as four credits.

Elective for agricultural students.

**136. Mechanical Drawing.** A course in which special attention is given to the selection and use of drawing instruments, as well as sketching, lettering, drawing and tracing of machine parts, including conventions, standards, etc. Text, French: Engineering Drawing (McGraw-Hill).

Autumn semesters, two three-hour laboratory periods weekly, counting as two credits.

Required of electrical engineering students.

**140. Heat.** A course including experiments in thermometry, calorimetry, dilatation, conduction, radiation and absorption, change of state, and the elementary principles of thermodynamics. Text, Edser: Heat for Advanced Students (Macmillan).

Autumn semesters, two class periods and one three-hour laboratory period weekly, counting as three credits.

Required of students whose major is Physics. Prerequisites, Physics 130, 131.

**141. Materials for Construction.** Announcement will be made when this course is to be offered.

**142. Electric and Magnetic Measurements.** A course in which much attention is given to laboratory work consisting of a study of the galvanometer, currents, resistance, electromotive force, power, capacity, inductance, and magnetic testing. Text, C. M. Smith: Electric and Magnetic Measurements (Macmillan).

Autumn semesters, two class periods and two three-hour laboratory periods weekly, counting as four credits.

Required of students whose major or minor is Physics.

**143. Radio.** A study of the oscillatory circuits, radio waves, the principles of transmission and reception of radio signals, and the construction of various circuits. Text, Morecroft: Elements of Radio Communication (Wiley).

Spring semesters, three class periods and one three-hour laboratory period weekly, counting as four credits.

Elective. Prerequisite, Physics 142.

**144. Sound.** A study of the fundamental laws and principles of sound. Text, Rayleigh: Theory of Sound (Macmillan).

Spring semesters, two class periods weekly, counting as two credits.

Elective. Prerequisites, Physics 130, 131.

**145. Elementary Mathematical Physics.** A course in which simple mathematical theories are applied to the solution of physical problems. Text, Mellor: Higher Mathematics for Students of Chemistry and Physics (Longmans).

Spring semesters, three periods weekly, counting as three credits.

Elective. Prerequisites, Physics 130, 131, and Mathematics 140, 141.

**146. Theoretical Mechanics.** A study of the fundamental principles of kinematics and dynamics, with numerous problems. Text, Jeans: Theoretical Mechanics (Ginn).

Spring semesters, three periods weekly, counting as three credits.

Required of students whose major or minor is Physics. Prerequisites: Physics 130, 131, and Mathematics 140, 141.

**147. Geometrical Optics.** A course designed to give the student an accurate and comprehensive knowledge of geometrical optics, including mathematical investigation into and application of the laws of reflection and refraction of light. The eye and

important optical instruments are studied. Text, Houstoun: *Treatise on Light* (Longmans).

Autumn semesters, two class periods and one three-hour laboratory period weekly, counting as three credits.

Required of students whose major or minor is Physics. Prerequisites, Physics 130, 131.

**148. Principles of Electrical Engineering.** An introductory course to electrical engineering, including a general study of electromagnetism, direct and alternating current circuits and machines, induced current, and transformers. Text, Gray: *The Principles and Practice of Electrical Engineering* (McGraw-Hill).

Autumn semesters, three periods weekly, counting as three credits.

Elective. Prerequisite, Physics 142.

**149. Telephony and Telegraphy.** A fundamental study of the signal systems, transmitters, receivers, local battery and common battery systems, single and multiple switch boards, power apparatus, etc. Automatic and trunk systems are also considered briefly, as well as telegraphic apparatus. Text, Kloeffer: *Telephone Communication Systems* (Macmillan).

Spring semesters, three periods weekly, counting as three credits.

Required of electrical engineering students. Prerequisites, Physics 142, 150.

**150. Alternating Currents.** A study of the fundamental principles and phenomena of alternating currents. Text, Lawrence: *Principles of Alternating Currents* (McGraw-Hill).

Spring semesters, three periods weekly, counting as three credits.

Required of electrical engineering students. Prerequisite, Physics 142.

**151. Physical Optics.** A study of the development of the wave theory of light, including interference, diffraction, spectra, radiation, absorption, dispersion, polarization and double refraction. Text, Houstoun: *A Treatise on Light* (Longmans).

Spring semesters, two class periods and one three-hour laboratory period weekly, counting as three credits.

Required of students whose major is Physics. Prerequisites, Physics 130, 131.

**152. Modern Physics.** A study of the development of modern physics, including conductivity through gases, electrons, photoelectricity, X-ray radiation, atomic structure, black body radiation,

tion, radio-activity, and their effects. Text, Crowther: *Ions, Electrons and Ionizing Radiation* (Arnold).

Autumn semesters, three periods weekly, counting as three credits.

Required of students whose major or minor is Physics. Prerequisite, Physics 142.

**153A. Direct Current Machinery.** A study of electromagnetism, the magnetic circuit, Kirchhoff's laws, measuring instruments, primary and secondary cells, generators, motors, armature winding and commutation, dielectrics, insulators and condensers, motor losses, transmission and distribution of electric powers. Text, Dawes: *Electrical Engineering, Direct Current* (McGraw-Hill).

Spring semesters, four periods weekly, counting as four credits.

Required of electrical engineering students. Prerequisite, Physics 142.

**153B. Experimental Direct Current Machinery.** A supplementary course to Physics 153A, including resistance measurement, calibration, electromagnets, the operating characteristics, efficiency, and rating of direct current machines; and the testing of two and three-wire direct current distribution systems.

Spring semesters, two three-hour laboratory periods weekly, counting as two credits.

Required of electrical engineering students. Prerequisite, Physics 142.

**154A. Alternating Current Machinery.** A study of the characteristics, design, operation, construction, and testing of alternating current machines, especially transformers, synchronous generators and converters, and single and polyphase motors. Text, Lawrence: *Alternating Current Machinery* (McGraw-Hill).

Autumn semesters, four periods weekly, counting as four credits.

Required of electrical engineering students. Prerequisites, Physics 150, 153A, 153B.

**154B. Experimental Alternating Current Machinery.** A supplementary course to Physics 154A, including a study of single and polyphase circuits; the determination of the characteristics, efficiency and losses of generators, motors, transformers, and alternators; the parallel operation of alternators and transformers; and insulation tests.

Spring semesters, two three-hour laboratory periods weekly, counting as two credits.

Required of electrical engineering students. Prerequisites, Physics 150, 153A, 153B.

**156. Theoretical Electricity.** A study of the various theories of magnetism, electric currents, electrostatics, thermoelectricity, electromagnetics, magnetic properties of materials, alternating currents, and electromagnetic radiation. Text, Starling: Electricity and Magnetism (Longmans).

Spring semesters, three periods weekly, counting as three credits.

Required of students whose major is Physics. Prerequisites, Physics 142, 150, and Mathematics 140, 141.

**157. Advanced Theoretical Mechanics.** A study of the fundamental concepts of mechanics, statics, and the dynamics of particles, with emphasis on central forces, the generalized coordinates of Lagrange, and the canonical equations of Hamilton. Text, MacMillan: Theoretical Mechanics (McGraw-Hill).

Autumn semesters, three periods weekly, counting as three credits.

Elective. Prerequisites, Physics 146 and Mathematics 150.

**158. Kinetic Theory of Gases.** A survey of the various kinetic theory concepts and classical derivations, including Maxwell's distribution laws of molecular velocities, Van der Waal's equation, the laws of rarefield gases and surface phenomena, and the application of the kinetic theory to dielectric and magnetic phenomena in gases and gaseous ionization. Text, Loeb: Kinetic Theory of Gases (McGraw-Hill).

Autumn semesters, three periods weekly, counting as three credits.

Elective. Prerequisites, Physics 146 and Mathematics 141.

**159. Thermodynamics.** A study of the foundation principles of thermodynamics and their application to mathematics, physics, chemistry, astronomy, and mechanical science. The course includes a study of the laws of thermodynamics, the dissipation of mechanical energy, change of state, thermodynamic functions, the phase rule, radiation, etc. Text, Birtwistle: The Principles of Thermodynamics (Macmillan).

Spring semesters, two periods weekly, counting as two credits.

Elective. Prerequisites, Physics 140 and Mathematics 141.

**160. History of Physics.** A simple historical account of the development of physics from earliest times to the present day. Text, Buckley: A Short History of Physics (Van Nostrand).

Spring semesters, two periods weekly, counting as two credits.

Elective. Prerequisite, twenty-four credits in Physics.

**161. Teaching of Physics.** A study of the methods of teaching physics in secondary schools, including selection of material, recitation, class demonstration and laboratory instruction.

Autumn semesters, three periods weekly, counting as three credits.

Elective. Prerequisite, twenty four credits in Physics.

**163. Experimental Modern Physics.** A laboratory course in electricity through gases; the photoelectric cell; the quadrant electrometer; the characteristics of X-ray; measurement of the charge of an electron; alpha, beta and gamma rays; and line and band spectra. Manual, Hoag: Electron Physics (Van Nostrand).

Spring semesters, two four-hour laboratory periods weekly, counting as three credits.

Elective. Prerequisite, Physics 152.

**164A. Theoretical Physics.** A course including a study of vector analysis and its application; the Fouries series and its application in the conduction of heat, wave motion, etc.; Maxwell's equations and their application to optics and electricity; and Bohr's theory and its application to spectra. Texts, Haas: Introduction to Theoretical Physics (Van Nostrand); Houston: Introduction to Mathematical Physics (Longmans); Weatherburn: Elementary Vector Analysis (Open Court); and Weatherburn: Advanced Vector Analysis (Open Court).

Autumn semesters, three periods weekly, counting as three credits.

Required of students whose major is Physics. Prerequisites, Physics 146, 156, and Mathematics 150.

**164B. Theoretical Physics.** A continuation of Physics 164A. Texts as used in Physics 164A.

Spring semesters, three periods weekly, counting as three credits.

Required of students whose major is Physics. Prerequisites, Physics 146, 156, and Mathematics 150.

**165A. Electrical Power Plant.** Announcement will be made when this course is to be offered.

**166A. Electrical Design I.** Announcement will be made when this course is to be offered.

**166B. Electrical Design II.** Announcement will be made when this course is to be offered.

**167A. Lighting and Illumination.** Announcement will be made when this course is to be offered.

**168A. Electrical Power Transmission.** Announcement will be made when this course is to be offered.

**169. Advanced Telephony and Telegraphy.** Announcement will be made when the course is to be offered.

**169T. Thesis.** The subject to be selected and carried out under the direction of a faculty member.

Eight hours of laboratory weekly for two semesters, counting as two credits for the year.

Required of seniors whose major is Physics.

**171. Spectroscopy.** A study of the prism spectroscope, diffraction grating, the application of interference methods to spectroscopy, methods of illumination, nature of spectra, fluorescence and phosphorescence, photography of the spectrum, series of lines in spectra, the Zeeman effect, the Stark effect, and emission band spectra. Text, E. C. C. Baly: Spectroscopy, Vols. I, II, and III (Longmans).

Autumn semesters, three periods weekly, counting as three credits.

Elective. Prerequisites, Physics 147, 151, 152.

**172. Relativity.** A study of the origin and development of relativity, of the law of gravitation, curvature of space and time, and relativity mechanics. Texts, Eddington: Space, Time, and Gravitation (Macmillan); and Eddington: Mathematical Theory of Relativity (Macmillan).

Autumn semesters, two periods weekly, counting as two credits.

Elective. Prerequisites, Physics 146, 152, 156, and Mathematics 150.

**173. Electron Physics.** A study of the electron theory of matter, including dielectric media, electromagnetic waves, dispersion, absorption and selective reflection, the principles of relativity, the kinetic theory of electronic conduction, various types of radiation, spectroscopic phenomena and the structure of the atom. Text, Richardson: Electron Theory of Matter (Macmillan).

Spring semesters, three periods weekly, counting as three credits.

Elective. Prerequisites, Physics 152, 156, and Mathematics 150.

**174. X-ray.** A study of the production, properties, uses and measurement of the wave length of the X-ray, with emphasis on

interference, diffusion, emission spectra, absorption spectra, and continuous spectra. Text, Compton: X-ray and the Electron (Van Nostrand).

Spring semesters, three periods weekly, counting as three credits.

Elective. Prerequisites, Physics 147, 151, 152.

**175. Quantum Theory and Wave Mechanics.** A detailed study of the matrix theory of Heisenberg, Born and Jordan, the  $q$ -number theory of Dirac, and the wave mechanics of Schrodinger, including the new statistics of Bose, Einstein, Fermi and Dirac. Text, Haas: Wave Mechanics and the New Quantum Theory (Constable).

Spring semesters, three periods weekly, counting as three credits.

Elective. Prerequisites, Physics 152, 163, and Mathematics 150.

### Political Science

The following courses are required of students whose major is Political Science: Political Science 140, 141, 142, 143, 144, 150, 152, 153, 160, and 169T.

Students whose minor is Political Science are required to take the following: Political Science 140, 141, 142, 143, 144, 150.

**140. Introductory Course.** An analysis of the organization, nature, and functions of government and distribution of rights. Text, J. W. Garner: Political Science and Government (American Book Co.).

Four periods weekly, counting as four credits.

Required of students whose major or minor is Political Science. Prerequisites, History 130, 134, 135.

**141. Comparative Government.** A thorough study of the principal governments in actual working, with analytical comparisons. Supplementary readings are assigned and reports required. Text, Munro: The Governments of Europe (Macmillan).

Three periods weekly, counting as three credits.

Required of students whose major or minor is Political Science. Prerequisite, Political Science 140.

**142. Comparative Government.** A continuation of Political Science 141. Text, C. A. Beard: American Government and Politics (Macmillan).

Three periods weekly, counting as three credits.

Required of students whose major or minor is Political Science. Prerequisite, Political Science 141.

**143. Political Theory.** A study of the fundamental problems and concepts of political thought. Critical readings from the political classics of Plato, Aristotle, Machiavelli, Hobbes, Rousseau, Mill, as well as from secondary authorities are assigned. Text, Gettell: *History of Political Thought* (Century).

Four periods weekly, counting as four credits.

Elective. Prerequisite, Political Science 140.

**144. International Law.** An introduction to international law through a standard text. A study of the nature of the law of nations and the law of neutrality in war and peace, illustrated by an examination of cases and treaties, with supplementary readings. Text, A. Hershey: *Essentials of International Public Law and Organization* (Macmillan).

Four periods weekly, counting as four credits.

Required of students whose major or minor is Political Science. Prerequisite, Political Science 140.

**147. History of Chinese Political Theory.** A study of the development of Chinese political theory before the Chin dynasty, its decline after the Han dynasty, and the sudden rise of modern political theories.

Three periods weekly, counting as three credits.

Elective. Prerequisite, Political Science 142.

**148. Diplomatic History of China.** A survey of modern diplomatic relations between China and foreign powers. The movement toward the rendition of national sovereignty is also stressed.

Three periods weekly, counting as three credits.

Elective. Prerequisite, Political Science 140.

**150. Municipal Government and Administration.** A course dealing with the government and administration of the city as a municipal corporation. A careful study is made of the powers and duties of the government and the functioning of the mechanism of the municipal organization. Extensive readings and reports are required. Text, Munro: *Municipal Government and Administration* (Macmillan).

Three periods weekly, counting as three credits.

Required of students whose major or minor is Political Science. Prerequisites, Political Science 141, 142.

**152. Jurisprudence.** A study of the leading principles and concepts of modern jurisprudence in relation to social problems. Collateral readings are assigned. Text, Salmond: *Jurisprudence*. New edition (Maxwell, London; or Carswell, Toronto).

Three periods weekly, counting as three credits.

Required of students whose major is Political Science. Prerequisites, Political Science 141, 142.

**153. International Relations.** A course dealing with the present-day international situation, including various problems relating to imperialism and sovereign rights.

Three periods weekly, counting as three credits.

Required of students whose major is Political Science. Prerequisite, Political Science 144.

**154. Diplomatic Procedure and Practice.** A study of diplomatic practice, such as courtesy, etiquette, correspondence, presentation of credentials, social entertainments, etc., with emphasis on the organization and functions of the diplomatic and consular services of various countries, including China.

Three periods weekly, counting as three credits.

Elective. Prerequisite, Political Science 144.

**155. International Problems of China.** A course dealing with modern international problems of China, such as tariff autonomy, rendition of settlements and concessions.

Three periods weekly, counting as three credits.

Elective. Prerequisite, Political Science 144.

**156. International Organization.** A course dealing with international administrative agencies, such as the League of Nations, the Permanent Court of International Justice at the Hague, etc.

Three periods weekly, counting as three credits.

Elective. Prerequisite, Political Science 144.

**157. China's Constitutional Problems.** A critical analysis of all the important documents on constitutional development since the end of the Ts'ing dynasty, and discussion on the drafting of a constitution.

Three periods weekly, counting as three credits.

Elective. Prerequisites, Political Science 141, 142.

**159. International Private Law.** A course dealing with the individual rights and obligations of one state as they conflict with the municipal laws of other states.

Three periods weekly, counting as three credits.

Elective. Prerequisite, Political Science 144.

**160. Political Parties.** A study of the nature, organization and functions of political parties.

Three periods weekly, counting as three credits.

Required of students whose major is Political Science. Prerequisites, Political Science 141, 142.

- 162. Political Ideals.** A critique of Utopian thought. The philosophy of revolution will also be considered.  
Two periods weekly, counting as two credits.  
Elective. Prerequisite, Political Science 143.
- 164. History of Legal Thought.** A study of the development of concepts of justice and right.  
Three periods weekly, counting as three credits.  
Elective. Prerequisite, Political Science 152.
- 165. Problems of International Law.** A discussion of the important problems of international law.  
Four periods weekly, counting as four credits.  
Elective. Prerequisite, Political Science 144.
- 166. The Soviet Government.** A study of the Soviet as a governmental organization.  
Three periods weekly, counting as three credits.  
Elective. Prerequisites, Political Science 141, 142.
- 167. Public Administration.** A study of the principles of public administration with special emphasis on the introduction of the civil service into China. Text, W. F. Willoughby: *The Principles of Public Administration* (Brookings).  
Three periods weekly, counting as three credits.  
Elective. Prerequisites, Political Science 141, 142.
- 168. Problems of Representative Government.** A discussion of the defects of as well as the remedies for representative government.  
Two periods weekly, counting as two credits.  
Elective. Prerequisites, Political Science 141, 142.
- 169. Contemporary Political Theories.** A critique and comparison of contemporary political theories.  
Three periods weekly, counting as three credits.  
Elective. Prerequisites, Political Science 143.
- 169T. Thesis.** A carefully supervised project and thesis, required of seniors majoring in Political Science.  
Two credits.
- 170. The Five-power Constitution.** A study of the principle and modus operandi of the five-power constitution.  
Two periods weekly, counting as two credits.  
Elective. Prerequisites, Political Science 141, 142.

### Psychology

Psychology is not considered a major subject. Students whose minor is Psychology are required to take Psychology 130, 141, 144, 145, 150, 155, 160.

- 130. Elementary Psychology.** A first course in psychology. Instinct, emotion sensation and perception, habit and memory imagination, reasoning, will and personality are the main topics.  
Five periods weekly, counting as four credits.  
Required of all arts students.
- 141. Experimental Psychology.** An introduction to the methods and results of the experimental study of mental life. Readings from Myers, Ladd-Woodworth, Thorndike, Starch, Whipple, James, Woodworth, and others are assigned. Selected experiments from Woodworth and Poffenberger are required.  
Three periods weekly, counting as three credits.  
Required of students whose minor is Psychology. Prerequisite, Psychology 130.
- 142. Social Psychology.** A study of the behaviour and consciousness of human individuals in reacting to social situations. The course serves to introduce the student to the psychological foundations of social science.  
Three periods weekly, counting as three credits.  
Prerequisite, Psychology 130.
- 144. Child Psychology.** See Education 144.  
Four periods weekly, counting as four credits.  
Required of students whose major is Education. Prerequisite, Psychology 130.
- 145. Abnormal Psychology.** A study of the fundamentals of personality as revealed in conditions of mental disturbance, with special attention to neurosis and psychosis. Readings from Janet, Sidis, Goddard, Jastrow, the psychoanalysts, and others are assigned.  
Three periods weekly, counting as three credits.  
Required of students whose minor is Psychology. Prerequisite, Psychology 130.
- 150. Advanced Psychology.** A critical evaluation of current theories regarding the various psychological phenomena.  
Three periods weekly, counting as three credits.  
Required of students whose minor is Psychology. Prerequisites, Psychology 130, 141.
- 155. History of Psychology.** A study of the development of psychology from the Greek to present-day psychological schools.  
Three periods weekly, counting three credits.  
Required of students whose minor is Psychology. Prerequisite, Psychology 130.
- 157. Psychology of Religion.** See Religion 157.  
Three periods weekly, counting as three credits.  
Elective.



**160. Comparative Psychology.** A course covering the problems, methods, and major results of studies of animal behaviour. Three periods weekly, counting as three credits.

Required of students whose minor is Psychology. Prerequisites, Psychology 130, 141, 144, 145.

**165. Seminar.** An investigation of some problem in psychology for which the student is prepared. Subject to be selected by the instructor in conference with the student concerned.

Number of periods and credits to be arranged.

Elective.

### Religion

Religion does not constitute a major or a minor subject and all the courses listed are elective.

**130. Religion in Our Changing Civilization.** "It is true that the contemporary scientific theories take much more account of the great human interests of religion, morality, and artistic creation, and paint a world in which they have an intelligible place." Lectures and reference reading.

Three periods weekly, counting as three credits.

**133. The Life and Teachings of Jesus.** An historical study of the life of Christ, following conscientiously throughout the course the best historical sources of information regarding the land of His birth, its people, climate, and industries; His parentage, home life and schooling; His own idea of Himself and His mission, and His method of making Himself and His mission known to men. Text, George A. Barton: *Jesus of Nazareth* (Macmillan).

Three periods weekly, counting as three credits.

**134. The Meaning and Value of Religion.** A course designed to familiarize the student with the religious experiences of the peoples of the world, to enable them to consider in a sympathetic spirit the meaning and value of these experiences. Readings and discussions.

One period weekly, counting as one credit.

**135. Modern Problems in Religion.** A study of the difficult problems which modern thinkers face, such as the existence of God, immortality, prayer, miracles, evolution, the problem of evil, etc.; also problems involved in applying religious idealism to social and industrial life. Readings and discussions.

One period weekly, counting as one credit.

**136. Modern Use of the Bible.** A study of the Bible from the point of view of modern Biblical scholars, on such topics as:

an old book in a new world, the old interpretations, abiding experiences under changing conditions, miracles and law, perils of the new positions, Jesus the Messiah, and Jesus the Son of God. Text, Fosdick: *Modern Use of the Bible* (Macmillan).

One period weekly, counting as one credit.

**138. Facing Student Problems.** A discussion of the ethical problems which students of the present generation are facing. A solution is sought from all sources, chiefly the teachings of Jesus, and an attempt made to formulate a definite attitude toward these problems.

One period weekly, counting as one credit.

**139. Science, Philosophy, and Religion.** Religion will not regain its old power until it can face change in the same spirit as does science. Its principles may be eternal, but the expression of these principles requires continual revision. Lectures and readings.

One period weekly, counting as one credit.

**140. Life and Travels of Paul.** A study of the life and teachings of Paul showing the development and organization of the early Christian church. Lectures and readings.

Two periods weekly, counting as two credits.

**141. The Old Testament Prophets.** A study of the great prophets of the Old Testament, the historical conditions from which they arose, and especially their moral and social teaching. Text, *The Bible*.

Three periods weekly, counting as three credits.

**142. Highland Thinking: A Study of the Sermon on the Mount.** A study of the foundations, objectives, and generating power of high thinking in an effort to attain certain viewpoints from which specific observations can be made. Lectures and readings.

One period weekly, counting as one credit.

**143. Philosophy of the Christian Life.** A philosophy of life from a religious point of view, and a survey of various problems of life in their historical and scientific aspect. Collateral readings and occasional papers are required.

Three periods weekly, counting as three credits.

**146. The Moral and Spiritual Development of a Nation.** A course showing how the Hebrews from being a nomad tribe in 2000 B. C. became a great nation by 100 B. C. and laid the moral and spiritual foundations of the life and thought of the modern world. Lectures and readings.

Two periods weekly, counting as two credits.

**148. Christianity in National and International Relationships.** A course dealing with the contributions of Christianity to national development, the relationship between Christianity and patriotism, and Christianity as a factor in international relationships. Lectures and readings.

One period weekly, counting as one credit.

**150. Principles of Christian Living.** A brief historical survey of the development of Christian ideals followed by a study of such topics as Christian incentives to right living, the Christian family, the Christian and his life work, his recreation, his possessions, industrial problems, and politics. An attempt will be made to apply to conditions in China the various problems in the text, G. B. Smith: *Principles of Christian Living* (Chicago University Press).

One period weekly, counting as one credit.

**151. Psychology and the Christian Life.** A course designed to acquaint students with modern psychological theory in relation to Christian faith and ethics. Lectures and readings.

One period weekly, counting as one credit.

**152. Religion and Science.** A study of religion from the scientific point of view, showing the relation of scientific facts to religious faith. Assigned readings and reports.

One period weekly, counting as one credit.

**153. God in Human Experience.** A course designed to help students to understand the significance of God in human experience from the psychological and philosophical points of view. Textbook and readings are required.

Three periods weekly, counting as three credits.

**154. Philosophy of Religion.** A study of the various aspects of religion, such as the epistemological, psychological, ethical, etc., from the philosophical point of view. Readings are required.

Three periods weekly, counting as three credits.

**156. Introduction to the Study of Religious Education.** A study of the principles and methods used in Christian training in the home, church, school and community. Lectures and extensive readings.

Three periods weekly, counting as three credits.

**157. Psychology of Religion.** A course dealing with the facts of religious consciousness expressed in various forms, such as conversions, revivals, belief in a God and immortality; and the cult of religion and its causes, objective and subjective worship, and various forms of mysticism. Assigned readings and a term

paper are required. Text, J. B. Pratt: *Religious Consciousness* (Macmillan). See Psychology 157.

Three periods weekly, counting as three credits.

### Rural Education

Rural Education is not considered a major subject. Students whose minor is Rural Education are required to take Rural Education 151, 152, 161, 162, 169T.

**151. Rural Education.** A course dealing with the importance, tendency, administration, and extension of rural education.

Autumn semesters, two periods weekly, counting as two credits.

**152. Rural Education.** A continuation of Rural Education 151.

Spring semesters, two periods weekly, counting as two credits.

**161. Rural School Organization and Administration.** A course dealing with the kinds, organization, and administration of rural schools.

Autumn semesters, two periods weekly, counting as two credits.

**162. Methods of Teaching Agriculture in Rural Schools.** A course dealing with methods of teaching agricultural subjects in rural schools.

Spring semesters, two periods weekly, counting as two credits.

**169T. Thesis.** A thesis based on the data secured in a project undertaken by the student.

Two credits.

### Sericulture

Sericulture is not considered a major subject. Students whose minor is Sericulture are required to take Sericulture 140, 141, 151, 152, 161, 162.

**140. General Sericulture.** A course dealing with the principles of mulberry growing and grafting.

Autumn semesters, two class periods and one three-hour laboratory period weekly, counting as two credits.

**141. General Sericulture.** A course dealing with the principles of breeding and rearing silkworms, the Pasteur method of egg production, and the study of diseases.

Spring semesters, two class periods and one three-hour laboratory period weekly, counting as two credits.

**151. Silkworm Breeding.** An application of the principles of heredity to the improvement of silkworms.

Autumn semesters, two class periods weekly, counting as two credits.

**152. Silkworm Diseases.** A study of the origin, classification, identification, modes of infection, and methods of control of silkworm diseases.

Spring semesters, two class periods weekly, counting as two credits.

**161. Silkworm Anatomy.** A course dealing with the various organs of the silkworm.

Spring semesters, two class periods weekly, counting as two credits.

**162. Methods of Reeling.** A course dealing with the improved methods of reeling.

Autumn semesters, two class periods weekly, counting as two credits.

#### Silviculture and Forest Protection

Students whose major is Forestry are required to take Silviculture 150, 151, 152, 160, 161, 162.

Students whose minor is Forestry are required to take Silviculture 150, 151, 152, 160, 162.

**150. Foundations of Silviculture.** A course dealing with site factors of forests as foundations of silviculture. The text is in Chinese.

Autumn semesters, two class periods weekly, counting as two credits.

**151. General Silviculture.** A study of nursery planting, seedling, woodland handling and tending, etc. The text is in Chinese.

Autumn semesters, two class periods and one three-hour laboratory period weekly, counting as three credits.

**152. General Silviculture.** A continuation of Silviculture 151. Spring semesters, two class periods and one three-hour laboratory period weekly, counting as three credits.

**160. Silviculture of Chinese Trees.** A study of Chinese tree characters and their cultivation for forestry purposes. The text is in Chinese.

Spring semesters, two class periods weekly, counting as two credits.

**161. Special Silviculture.** A study in special silviculture for special purposes, such as ornamental planting, conservancy of forests, etc. The text is in Chinese.

Autumn semesters, two class periods weekly, counting as two credits.

**162. Forest Protection.** A course dealing with the protection of forests from human trespassers, fire, and other injurious biological or chemical agencies. The text is in Chinese.

Spring semesters, two class periods weekly, counting as two credits.

**169P. Project.** A project in silviculture.

Autumn semesters, counting as one credit.

#### Sociology

Students whose major is Sociology should choose one of the following subjects as their minor; Economics, Education, History, Philosophy, Political Science, or Psychology. The following courses are required of students whose major is Sociology: Sociology 140, 141, 142, 150, 152, 154, 156, 157, 168 and 169T.

Students whose minor is Sociology are required to take Sociology 140, 142, 152, 154, 157, and 168.

**140. Introduction to Sociology.** An introductory course based on a thorough study of the text and on collateral readings in other standard texts. Text, Hart: Science of Social Relations (Holt); also pamphlets on sociology by Sun Ben-wen.

Five periods weekly, counting as four credits.

Required of students whose major or minor is Sociology.

**141. Methods of Social Research.** A brief survey of social phenomena and a study of these according to historical, statistical, case, and other methods.

Five periods weekly, counting as four credits.

Required of students whose major is Sociology. Prerequisite, Sociology 140.

**142. Social Problems.** A general study of social problems including a brief analysis of the following: the family, population, poverty, unemployment, and the racial problem.

Three periods weekly, counting as three credits.

Required of students whose major or minor is Sociology.

**150. Social Origins.** A course based on Wissler's An Introduction to Social Anthropology (Holt). Readings in Thomas, Lowrie, Frazer, Spencer, Goldenweiser, Chapin, Osborne, Marett and others are also required. The student is given an opportunity to study those aspects of primitive society in which he is especially interested.

Three periods weekly, counting as three credits.

Required of students whose major is Sociology. Prerequisite, Sociology 140.

**151. Race and Nationality Problems.** A study of the biological and sociological problems of race and of the sociological problems involved in the formation of nations. Recent books on the subject are used as references.

Three periods weekly, counting as three credits.

Elective. Prerequisite, Sociology 140.

**152. Problems of the Family.** About one-fourth of the time is given to field work in study of the Chinese family. Discussions are based on Goodsell: *Problems of the Family* (Century) and other references.

Four periods weekly, counting as four credits.

Required of students whose major or minor is Sociology. Prerequisite, Sociology 140.

**153. Urban Sociology.** A study of the general development of modern urban communities, including a brief discussion of the social problems of certain of these communities.

Three periods weekly, counting as three credits.

Elective. Prerequisite, Sociology 140.

**154. Social Economy.** A careful study of conditions prevailing in some of the important industries of China and of their effect on the standard of living, the family, urbanization, labour, etc., of China.

Three periods weekly, counting as three credits.

Required of students whose major or minor is Sociology. Prerequisite, Sociology 140.

**155. Poverty and Crime.** A systematic study of the defective, dependent, and delinquent, and of the technique of social work as it applies to the subnormal and abnormal elements in the population. The emphasis will be mainly on Western practice, but it will be applied to China in so far as possible.

Three periods weekly, counting as three credits.

Required of students whose major is Sociology. Prerequisite, Sociology 140.

**156. Introduction to Field Work.** An intensive study of a certain social problem by either the statistical or case method.

Two periods weekly, counting as two credits.

Required of students whose major is Sociology. Prerequisite, Sociology 141.

**157. Social Psychology.** A study of human nature, group behaviour and the mob movement; and an analysis of personality.

Three periods weekly, counting as three credits.

Required of students whose major or minor is Sociology. Prerequisite, Sociology 140.

**159. Population Problems.** Discussion of the most important phases of the population problem, such as increase of population and its causes, quality and quantity of population, migration, distribution of population, and different theories in regard to population.

Three periods weekly, counting as three credits.

Elective. Prerequisite, Sociology 140.

**161. Sociology of Religion.** The first part of the course consists of a study of the sociological phase of primitive and historical religions, and the second part deals with modern social problems. References by Lowie and Kirkpatrick are used.

Three periods weekly, counting as three credits.

Elective. Prerequisite, Sociology 140.

**162. History of Social Thought.** A course based on works by Lichtenberger and Bogardus, with collateral reading. The student is given an opportunity to study different phases of Chinese social thought.

Three periods weekly, counting as three credits.

Elective. Prerequisite, Sociology 140.

**164. Anthropology: Man and Culture.** A careful study of Kroeber and Wissler with collateral readings and some study of Chinese races and culture.

Three periods weekly, counting as three credits.

Elective. Prerequisite, Sociology 140.

**165. Social Control.** The student is given some idea of the different methods of controlling human behaviour and of the general principles involved in the evolution of society by human effort.

Three periods weekly, counting as three credits.

Elective. Prerequisite, Sociology 140.

**166. Economic Factors and Social Phenomena.** A course including (1) a discussion of the economic interpretation of history, (2) a study from the sociological standpoint of the economic and other phases of such social problems as population, the family, poverty, criminals, civil wars.

Three periods weekly, counting as three credits.

Elective. Prerequisite, Sociology 140.

**167. Social Ethics.** A comparative study of the ethical conceptions of different periods in various countries, with emphasis on the social basis and the effects of the same.

Three periods weekly, counting as three credits.

Elective. Prerequisite, Sociology 140.

**168. Contemporary Sociological Thought.** A careful study of Sorokin with collateral readings.

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Three periods weekly, counting as three credits.  
Elective. Prerequisite, Sociology 140.

**169. Social Changes.** A study based on the works of Ogburn, Chapin, Sorokin, and Hart.  
Three periods weekly, counting as three credits.  
Elective. Prerequisite, Sociology 140.

**169T. Thesis.** A thesis is required of students whose major is Sociology.  
Two credits.

**171. Chinese Family Problems.** An intensive research study by students and faculty of certain problems of the Chinese family.  
Two periods weekly, counting as two credits.  
Prerequisite, Sociology 140.

**172. Chinese Family Problems.** A continuation of Sociology 171.  
Two periods weekly, counting as two credits.  
Elective. Prerequisites, Sociology 152, 171.

**173. Selected Readings from Well-known Sociological Works.** Selected readings from different sociological journals and magazines, and important compilations by well-known sociologists.  
Two periods weekly, counting as two credits.  
Elective. Prerequisites, Sociology 140, 142.

**Zoology**

Students whose major is Zoology are required to take Zoology 140, 142, 144, 151, 154, 155, 161 or 162 or 165, 169T, Botany 131; Chemistry 142, 143; Geology 140; Sociology 140; and Education 147.

Students whose major is the Teaching of Biology are required to take Zoology 140, 142, 154, 163, 169T or Botany 169T, Botany 131, twelve credits in elective courses in the Departments of Zoology and Botany, Chemistry 142, and Education 140.

Students whose minor is Zoology are required to take Zoology 140, 142, 144, six credits in elective courses in the Department of Zoology, and Geology 140.

Students whose minor is Entomology are required to take Zoology 140, 141, 156, 157, two credits in elective courses in the Department of Zoology, and Economics 130.

**123. Hygiene and Sanitation.** Lectures on air, water, and food sanitation; disposal of sewage and other waste; control of infectious, insect-borne and other diseases; and physiology and personal hygiene.

Every semester, two periods weekly, without credit  
Elective.

## DESCRIPTION OF COURSES

**132. General Biology.** A cultural course dealing with the fundamental principles of Biology, supplemented by discussions, demonstrations and laboratory studies. Text, Woodruff: Foundations of Biology (Macmillan), or Okamura: Fundamentals of Biology (Commercial Press).

Every semester, three class periods and two three-hour laboratory periods weekly, counting as four credits.

Required of all students who are not required to take Zoology 140.

**140. General Zoology.** An introductory course dealing with the fundamental principles of animal biology, including a comprehensive survey of the animal kingdom. The laboratory work consists of the dissection and detailed study of types representing the principal animal phyla. Text, Newman: Outlines of General Zoology (Macmillan).

Autumn semesters, three class periods and two two-and-a-half-hour laboratory periods weekly, counting as five credits.

Required of premedical, agricultural and forestry students, and students whose major or minor is Zoology.

**141. General Entomology.** A study of the general anatomy, life history, physiology and behaviour of insects and their economic relations to man, with some practice in insect technique. Text, Folsom: Entomology. Third Edition (Blakiston).

Spring semesters, three class periods and two three-hour laboratory periods weekly, counting as five credits.

Required of agricultural and forestry students and students whose minor is Entomology. Prerequisite, Zoology 140.

**142. Physiology.** A consideration of the physiological properties of protoplasm followed by careful study of the functioning of the different organ systems of the body. Text, Zoethout: Textbook of Physiology. Third Edition (Mosby); laboratory manual: Hickman: Laboratory Manual in College Physiology (Macmillan).

Spring semesters, three class periods and one three-hour laboratory period weekly, counting as four credits.

Required of students whose major is Zoology. Prerequisite, Zoology 132 or 140.

**143. Ornithology.** A study of larger bird groups and of their structures and adaptations, with field trips and laboratory work to familiarize students with the birds of the Nanking region.

Spring semesters, one class period and one three-hour laboratory period weekly, counting as two credits.

Elective for students whose major or minor is Zoology. Prerequisite, Zoology 140, and the consent of the Department.

To be given at Ginling College.

**144. Comparative Anatomy of Vertebrates.** A course dealing with the general principles of vertebrate morphology, the genetic relationship of the vertebrates and the comparative anatomy of their organ systems. The amphioxus, dogfish, turtle, a bird and a mammal are studied in the laboratory. Text and manual; Hyman: A Laboratory Manual for Comparative Vertebrate Anatomy (University of Chicago Press).

Spring semesters, three class periods and two three-hour laboratory periods weekly, counting as five credits.

Required of premedical students, and students whose major or minor is Zoology. Prerequisites, Zoology 140 and Botany 134.

**151. General Embryology.** A study of maturation, fertilization, cleavage, gastrulation and the establishment of the primary germ layers as seen in selected invertebrate types and in the amphioxus, frog, chick and pig. Organogeny is restricted to the frog, chick, and pig. Text, McEwen: Textbook of Vertebrate Embryology (Holt).

Autumn semesters, three class periods and two three-hour laboratory periods weekly, counting as five credits.

Required of premedical students, and students whose major or minor is Zoology. Prerequisite, Zoology 144.

**152. Genetics and Eugenics.** An introductory course dealing with the Mendelian and Neo-Mendelian mechanism in inheritance and their relation to plant and animal improvement and to the theory of evolution. The course concludes with a consideration of the application of this mechanism to the improvement of man, eugenics. Text, Sinnott and Dunn: Principles of Genetics (McGraw-Hill).

Autumn semesters, three class periods weekly, counting as three credits.

Required of students whose major is Zoology. Prerequisite, Zoology 132 or 140.

**153. Organic Evolution.** A course dealing with the facts or evidences of evolution and the different theories that have been advanced to explain these facts, concluding with a discussion of some popular misconceptions concerning evolution, and of the place of science in regard to ultimate causation. Text, Newman: The Gist of Evolution (Macmillan).

Autumn semesters, two class periods weekly, counting as two credits.

Elective. Prerequisites, Zoology 132 or 140.

**154. Microscopical Technique.** A laboratory course dealing with the methods of mounting, imbedding, sectioning and staining animal or plant tissues, together with discussions of the prin-

ciples involved. Text, Guyer: Animal Micrology. Third Edition (University of Chicago Press).

Spring semesters, three three-hour laboratory periods weekly, counting as three credits.

Required of students whose major is Zoology. Elective for specially qualified students.

**155. Histology.** A consideration of the structure of the cell and its behaviour in reproductive processes (cytology) and a study of the structure of tissues (histology). A limited amount of time is devoted to the study of organ construction (organology). Text, Bremer: Textbook of Histology. Fourth Edition (Blakiston); laboratory manual, Waite and Patten: Outlines of Laboratory Courses in Cytology, Histology and Organology (Western Reserve University Press).

Spring semesters, two class periods and two three-hour laboratory periods weekly, counting as four credits.

Required of students whose major is Zoology. Prerequisite, Zoology 140.

**156. Systematic Entomology.** A systematic study of insects and their natural history and habits, together with a survey of the literature on the subject and practice in the preparation of specimens for exhibition. Text, Comstock; Manual for the Study of Insects (Comstock).

Autumn semesters, three class periods and two three-hour laboratory periods weekly, counting as five credits.

Required of students whose minor is Entomology. Prerequisite, Zoology 141.

**157. Economic Entomology.** A course dealing with the principles of economic entomology with special reference to the methods of insect control supplemented by a systematic study of certain selected groups of injurious insects. Text, Metcalf and Flint: Destructive and Useful Insects (McGraw-Hill).

Autumn semesters, two class periods and one three-hour laboratory period weekly, counting as three credits.

Required of students whose minor is Entomology. Prerequisite, Zoology 156.

**158. Apiculture.** A practical course dealing with the general morphology and physiology of the honey bee, and the methods of bee keeping, including a consideration of the diseases of the honey bee and honey plants. Text, Phillips: Beekeeping. Revised Edition (Macmillan).

Spring semesters, two three-hour laboratory periods weekly, counting as two credits.

Elective for students whose minor is Entomology. Prerequisite, Zoology 141.

**161. Parasitology.** Parts I and II of this course deal with the biology, anatomy and life history of animal parasites and their economic importance. Part III deals with the relation of insects to diseases of man and other animals. Text, Hegner; Root and Augustine: Animal Parasitology (Century).

Autumn semesters, six hours of class and laboratory weekly, counting as three credits.

Elective for students whose major is Zoology and other qualified students.

**162. Protozoology.** A course dealing with the morphology, physiology and classification of unicellular animals with emphasis on parasitic forms and their relation to diseases in man and other animals. Text, Hegner: Human Protozoology (Macmillan).

Spring semesters, two class periods and one three-hour laboratory period weekly, counting as three credits.

Elective for students whose major is Zoology and other qualified students.

**163. Methods of Teaching.** A course designed to meet the needs of students who expect to teach Biology. Methods in collecting, preserving, preparing materials for exhibition or class use, chart making, modelling, taxidermy and other methods not given in Zoology 154 will be considered. Each student will be given an opportunity to assist in laboratory instruction and required to formulate a set of acceptable laboratory outlines for practical courses in elementary biology.

Either semester, one hour conference and one three-hour laboratory period weekly, counting as two credits.

Required of students whose major is Zoology.

**165. Cytology.** A course dealing with the non-reproductive and the reproductive cell phenomena. Under the non-reproductive cellular phenomena are considered the structure of protoplasm and the nuclear, cytoplasmic and extra-cellular structures. In connection with the reproductive cellular phenomena, the mechanism of amitosis, mitosis and the origin, differentiation and fertilization of the germ cells will be discussed. Text, Sharp: Introduction to Cytology (McGraw-Hill).

Either semester, two class periods and one three-hour laboratory period weekly, counting as three credits.

Elective for students whose major is Zoology or other qualified students. Given on demand.

**169T. Thesis.** Problems in morphology, life history, embryology, ecology, cytology, protozoology, parasitology, taxonomy, or other zoological or entomological subjects may be undertaken. Subject to be chosen after consultation with instructor.

Every semester, counting as two credits.

Required of seniors whose major is Zoology.

**170. Seminar.** A seminar devoted to the presentation of reports of results of individual work and reviews of current biological literature, held weekly during each semester and conducted by faculty members and advanced students.

No credit.

Attendance required of all seniors whose major is Zoology.

## MIDDLE SCHOOL

## Faculty

張 坊	Djang Fang, B.A. (Nanking), B.D. (Yale), M.A. (Princeton). Principal.
陳 中 藩	Chen Chong-fan. Secretary.
侯 佩 衡	*Heo Pei-heng, B.A. (Nanyang). Proctor.
張 銘 賢	Chang Ming-hsien (University Normal School). Business Manager.
王 佐 周	†Wang Tso-cheo, B.A. (Nanking). Registrar.
沈 曼 甸	Shen Man-tao. Librarian.
湯 文 耀	Tang Wen-yao, B.A. (Nanking). Physical Director.
于 振 聲	Yu Cheng-shen. Boxing.
車 蕃 如	*Che Fan-ru. Military Instruction.

## Chinese

張 劍 秋	Chang Chien-chiu, B.A. (Chinese).
張 子 緝	*Chang Tsi-ling.
周 岐 山	Cheo Chi-shan, B.A. (Chinese).
范 益 之	*Fan, Miss Ih-chi.
黃 雲 眉	Hwang Ying-mei, B.A. (Chinese).
林 憲 章	†Ling Hsien-chang, B.A. (Nanking).
吳 亞 伯	Wu Yah-peh, B.A. (Chinese).
楊 茂 庵	Yang Mei-an (University Normal School).
閻 任 之	Yien Rwen-chi, B.A. (Chinese).

## Drawing

金 干 城	Ching Kan-chen.
徐 沈 茲 九	*†Tsu, Mrs. Shen Tsi-chiu.

## Economics

李 鴻 德	*Li Hhon-teh, B.S. (Nanking).
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## Education

林 憲 章	†Ling Hsien-chang, B.A. (Nanking).
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## English

程 道 清	Chen Tao-hsing.
江 乾 耀	Chiang Chien-yao, B.A. (Nanking).
何 錫 綬	Ho Sih-ku, B.A. (Nanking).

†Teaching also.

\*Part time.

†Teaching also in another department.

熊 佩 衡	Hsiong Pei-heng, B.A. (Hangchow).
冷 寶 森	†Leng Pao-seng, B.A. (Nanking).
賓 明 綬	*Pin Ming-sheo.
濮 光 第	†Puh Kwang-ti, B.A. (Nanking).
戴 鵬 山	†Tai Peng-shan (Philippine Normal School).
徐 寅 和	†Tsu Ying-ho, B.A. (Nanking).
王 胡 孟 晉	Wang, Mrs. Hu Meng-tsing.
王 佐 周	Wang Tso-cheo, B.A. (Nanking).
魏 愛 華	Whipple, Miss Maude E., B.A. (Eugene Bible University, and Washington State Normal School).
吳 茂 蓀	†Wu Meo-seng. English.

## Geography

張 朱 璽	*†Chang Chu-kwen.
魯 學 瀛	†Lu Hsioh-ying, B.A. (Nanking).
徐 銘 貞	*†Tsu, Miss Ming-chen.
王 竹 書	†Wang Chuh-shu, B.A. (Nanking).

## History

張 朱 璽	*†Chang Chu-kwen.
冷 寶 森	†Leng Pao-seng, B.A. (Nanking).
魯 學 瀛	†Lu Hsioh-ying, B.A. (Nanking).
徐 銘 貞	*†Tsu, Miss Ming-chen.

## Japanese

徐 沈 茲 九	*†Tsu, Mrs. Shen Tsi-chiu.
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## Manual Training

藩 貢 宗	*Kong Tsong-fan.
郭 培	Kwoh P'ei.

## Mathematics

陳 椿 和	Chen Chwen-ho, B.A. (Nanking).
陳 瑞 儀	Chen Shui-i, B.A. (Nanking).
侯 佩 衡	Heo Pei-heng, B.A. (Nanyang).
向 培 豪	Hsiang Pei-hao, B.S. (Nanking).
冷 聯 甲	Leng Lien-chia, B.A. (Shantung).
濮 光 第	†Puh Kwang-ti, B.A. (Nanking).
徐 寅 和	†Tsu Ying-ho, B.A. (Nanking).
王 竹 書	†Wang Chuh-shu, B.A. (Nanking).

## Music

韓 屠 哲 梅	*Han, Mrs. Tu Cheh-mei.
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\*Part time.

†Teaching also in another department.



**Party Principles**

張官禮	*Chang Kwang-li, B.A. (Southeastern).
陳愛助	*Chen Hsieh-hsing, B.A. (Southeastern).
朱濂青	*Chu Lien-tsing.
李健民	*Li Chien-ming.

**Political Science**

曾繁勝	*Tsen Fan-shen, B.A. (Central).
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**Religion**

許大衛	*Hsu, David, B.A. (Shanghai).
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**Sociology**

林憲章	†Ling Hsien-chang, B.A. (Nanking).
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**Science**

許國樑	Hsu Kwoh-liang, B.S. (Nanking). Physics.
梅斌夫	Mei Ping-fu, B.S. (Nanking). Biology.
戴芬沂	Tai Fang-i, B.S. (Central). Biology.
戴鵬山	†Tai Peng-shan (Philippine Normal School). General Science.
王實銘	Wang Shih-ming, B.S. (Shanghai). Chemistry.

\*Part time.

†Teaching also in another department.

**General Statement**

The Middle School of the University is located on the original university site at Kan Ho Yen. It provides six years of school work, three years in the Junior Middle School and three in the Senior Middle School. No student will be admitted to the third year of either the Junior Middle School or the Senior Middle School. A list of courses given through the six years' course follows:

**Junior Middle School**

	First Year		Second Year		Third Year	
	Autumn Periods	Spring Periods	Autumn Periods	Spring Periods	Autumn Periods	Spring Periods
Chinese	6	6	6	6	6	6
Drawing	2	2	2	2		
English	8	8	8	8	9	9
General Science			4	4	4	4
Geography	2	2	2	2	2	2
History	2	2	2	2	2	2
Manual Training	2	2				
Mathematics	5	5	6	6	4	4
Music	2	2				
Physical Training	2	2	2	2	2	2
Physiology & Hygiene	2	2				
Party Principles	2	2	2	2	2	2
Elective					4	4
Total	35	35	34	34	35	35

**Senior Middle School**

	First Year		Second Year		Third Year	
	Autumn Periods	Spring Periods	Autumn Periods	Spring Periods	Autumn Periods	Spring Periods
Biology	5	5				
Chemistry					5	5
Chinese	5	5	5	5	5	5
English	8	8	8	8	6	6
Geography			3	3		
History	2	2			5	5
Mathematics	5	5	3	3	3	3
Military Instruction	2	2	2	2	2	2
Physics			5	5		
Party Principles	2	2	2	2	2	2
Elective	4	4	3	3	3	3
Total	33	33	31	31	31	31

## DESCRIPTION OF COURSES

## I. Required Courses

## Chinese

71, 72, 81, 82, 91, 92. In these courses the students are required (a) to read the best Chinese literature, (b) to study the methods of writing Chinese composition, (c) to write a composition every other week. Text, Chuang Shih: National Language Readers, Books I—VI (Commercial Press). One book is used in each course.

Junior middle school students, six periods weekly, continuing through the three years of junior middle school.

101, 102. Masterpieces of the different dynasties are studied in these courses. Students are required to write a composition every other week. Text, Chiang Heng-yuen: Senior Middle School National Reader (Commercial Press).

Senior middle school first year students, five periods weekly, continuing through the year.

111, 112, 121, 122. In these courses, classics as well as masterpieces of Chinese literature are studied. No definite text is used. Selections from different sources are made, and students are required to write a composition every other week.

Senior middle school second and third year students, five periods weekly, continuing through the two years.

## English

71, 72, 81. In these courses, students are taught (a) a good vocabulary, and (b) to read and write, as well as to speak, simple English. Some time is given to penmanship. The direct method is used in teaching. Text, Ling Yu-tang: Kaiming English Readers (Kaiming Book Co.). One book is used in each course.

Junior middle school students, eight periods weekly continuing through the first three semesters.

82, 91, 92. Simple English Grammar. Students are required to write sentences every week. Text, Kwang Fu Sec: Mother Tongue, Book II (Commercial Press).

Junior middle school students, two periods weekly in course 82, and three periods weekly in courses 91 and 92, continuing through the last three semesters of junior middle school.

82A, 91A, 92A. Reading. The text used in 82A is Baldwin: Thirty Famous Stories Retold (Commercial Press); in 91A, The Arabian Nights (Commercial Press); and in 92A, Baen Li: The

Three Principles of the People, English Reader (Commercial Press).

Junior middle school students, six periods weekly, continuing through the last three semesters of junior middle school.

101, 102. Advanced English Grammar. In this course, students are required to write a composition every other week. Text, Leiper: New English Grammar (Macmillan).

Senior middle school first year students, three periods weekly, continuing through the year.

111, 112. Grammar and Rhetoric. The text used is Woolley: Written English (Commercial Press).

Senior middle school second year students, three periods weekly, continuing through the year.

101A, 102A, 111A, 112A. Reading. The text used in course 101A is Baldwin: Abraham Lincoln (American Book Co.); in 102A, Swift: Gulliver's Travels (Commercial Press); in 111A, Lamb: Tales from Shakespeare (Commercial Press); and in 112A, Huizinga: World's Best Short Stories (Commercial Press).

Senior middle school first and second year students, five periods weekly, continuing through the first two years of senior middle school.

121, 122. Rhetoric and Reading. The texts used in these courses are Lockwood and Emerson: Composition and Rhetoric (Ginn); and Dickens: A Tale of Two Cities (Commercial Press).

Senior middle school third year students, six periods weekly, continuing through the year.

## Geography

71, 72, 81, 82. Geography of China. The text used in this course is Liu Hu-ru: The New Age Geography of China (Commercial Press).

Junior middle school first and second year students, two periods weekly, continuing through the two years.

91, 92. Geography of the World. The text used in this course is Ting Chia-an: New Geography of the World (Commercial Press).

Junior middle school third year students, two periods weekly, continuing through the year.

111. Geography of China. In this course special stress is laid on the geography of Mongolia, Manchuria, and Thibet. Text, Chang Chi-yuin; Geography of China for Senior Middle School (Commercial Press).

Senior middle school second year students, three periods weekly in the first semester of the year.

**112. Geography of the World.** The text used is Wolcott: *The World After the Great War* (Commercial Press).

Senior middle school second year students, three periods weekly, in the second semester of the year.

### History

**71, 72, 81, 82. History of China.** The text used is Ching Chao-tze: *National History for Junior Middle School* (Chung Hwa Book Co.). One book is used each year.

Junior middle school first and second year students, two periods weekly, continuing through the two years.

**91, 92. History of the World.** These courses are an introduction to the study of world history in the senior middle school. Text, Wang Chong-chi: *World History for Junior Middle School* (Commercial Press).

Junior middle school third year students, two periods weekly, continuing through the year.

**101, 102. Recent History of China.** Special attention is given to the diplomatic relations between China and the foreign powers. Text, Yen Chong-yao: *Chinese History During the Past One Hundred Years* (Nanking Book Store).

Senior middle school first year students, two periods weekly, continuing through the year.

**121, 122. World History.** The text used is Webster: *World History* (Heath).

Senior middle school third year students, five periods weekly, continuing through the year.

### Mathematics

**71, 72. Arithmetic.** These courses are a review of primary school arithmetic. Text, Hu Twen-fuh and Wu Tsai-yuan: *Junior Middle School Arithmetic* (Chung Hwa Book Co.).

Junior middle school first year students, five periods weekly, continuing through the year.

**81, 82. Algebra.** The text used is the translation of Wentworth: *Algebra*, by K. H. Tu (Commercial Press).

Junior middle school second year students, six periods weekly, continuing through the year.

**91, 92. Plane Geometry.** The text used is the translation of Wentworth: *Plane and Solid Geometry*, by Chang I (Commercial Press).

Junior middle school third year students, four periods weekly, continuing through the year.

**101, 102. Trigonometry.** The text used is Rothrock: *Elements of Plane and Spherical Trigonometry* (Macmillan).

Senior middle school first year students, three periods weekly, continuing through the year.

**111, 112. Algebra.** The text used is Davisson: *College Algebra* (Macmillan).

Senior middle school second year students, three periods weekly, continuing through the year.

**121, 122. Analytic Geometry.** The text used is Love: *Analytic Geometry* (Macmillan).

Senior middle school third year students, three periods weekly, continuing through the year.

### Natural Science

**71, 72. Physiology and Hygiene.** The text used is Koo Sheop: *The New Age Physiology and Hygiene* (Commercial Press).

Junior middle school first year students, two periods weekly, continuing through the year.

**81, 82, 91, 92. General Science.** The text used is Cheng Chen-wen: *Natural Science for Junior Middle School* (Commercial Press). One book each semester.

Junior middle school second and third year students three class periods and one laboratory period weekly, continuing through the two years.

**101, 102. Biology.** The text used is Chen Chen: *General Biology* (Commercial Press).

Senior middle school first year students, three class periods and one two-hour laboratory period weekly, continuing through the year.

**111, 112. Physics.** The text used in this course is Black and Davis: *New Practical Physics* (Macmillan).

Senior middle school second year students, three class periods and one two-hour laboratory period weekly, continuing through the year.

**121, 122. Chemistry.** The text used is Black and Conant: *Practical Chemistry* (Macmillan).

Senior middle school third year students, three class periods and one two-hour laboratory period weekly, continuing through the year.

**Party Principles**

71, 72, 81, 82, 91, 92. These courses are intended to give the student a clear understanding of the Three Principles of the People. The texts used are Tao Peh-chuan's San Min Chu I Readers I—VI (Ta Tong Book Co.). One book is used each semester.

Junior middle school students, two periods weekly, continuing through the three years.

101, 102, 111, 112, 121, 122. These courses are planned to give the student a clear understanding of the principles and plans of the reconstruction period expounded by Dr. Sun Yat-sen. The course consists of lectures and discussions.

Senior middle school students, two periods weekly, continuing through the three years.

**II. Elective Courses****Chinese**

90. **Practical Chinese.** In this course, students are taught to write letters, contracts, petitions, etc. No definite text is used.

Junior middle school third year students, two periods weekly.

100. **Chinese Etymology.** The text used in this course is Ho Chong-ying: Principles of Chinese Etymology (Commercial Press).

Senior middle school first year students, two periods weekly.

110. **Chinese Poetry.** The text used in this course is Tsiang Kwoh-shah: Selections of Chinese Poetry (Commercial Press).

Senior middle school second year students, two periods weekly.

120. **History of Chinese Literature.**

Senior middle school third year students, two periods weekly.

**Commerce**

90. **Elementary Book-keeping.** The text used in this course is Liu Ta-kwen: Book-keeping (Commercial Press).

Junior middle school third year students, two periods weekly.

100. **Advanced Book-keeping.** This course is planned for students who have already studied elementary book-keeping.

Senior middle school first year students, three periods weekly.

110. **Commercial Knowledge.** This course consists of a series of lectures.

Senior middle school second year students, two periods weekly.

**Economics**

90. **Elementary Economics.** The text used is Hu Tsu-tong: Economics for Junior Middle School (Commercial Press).

Junior middle school third year students, two periods weekly.

100. **Advanced Economics.** An advanced course for those who have had Economics 90.

Senior middle school first year students, two periods weekly.

**Education**

110. **Method of Teaching.** The text used in this course is Yu Tze-yi: Teaching in Elementary Schools (Commercial Press).

Senior middle school second year students, three periods weekly.

120. **Child Psychology.** The text used is Ling Ping: Child Psychology (Commercial Press).

Senior middle school third year students, two periods weekly.

**English**

90. **Conversation.** This is a third year course in conversation.

Junior middle school third year students, two periods weekly.

100. **Conversation.** The text used in this course is Barrow: Good Manners (Evans).

Senior middle school first year students, two periods weekly.

100A. **Public Speaking.**

Senior middle school first year students, two periods weekly.

110. **Translation.** The text used in this course is Chen Yu-seng: Standard Methods of Translation (Nanking Book Store).

Senior middle school second year students, two periods weekly.

120. **Periodical Reading.** The periodical used as a text is The China Critic.

Senior middle school third year students, three periods weekly.

**History**

100. **General History.** The text used is Lu Sze-mien: Outline of General History (Commercial Press).

Senior middle school first year students, two periods weekly.

110. **Methods of Studying History.** Text, Liang Chi-chao: How to Study Chinese History (Commercial Press).

Senior middle school second year students, two periods weekly.

**120. History of Western Civilization.**

Senior middle school third year students, two periods weekly.

**Japanese**

**110. Beginning Japanese.** The text used in this course is Japanese Reader I (Commercial Press).

Senior middle school second year students, three periods weekly.

**120. Japanese.** Japanese Reader II (Commercial Press) is used in this course, which is a continuation of Japanese 110.

Elective for students who have already studied the first reader. Three periods weekly.

**Library Science****100. Principles of Library Science.**

Senior middle school first year students, two periods weekly.

**Logic**

**100. The Art of Debate.** The text used is Fei Pei-chieh: Theory and Practice of Debate (Commercial Press).

Senior middle school first year students, two periods weekly.

**Mathematics****90. Abacus.**

Junior middle school third year students, one period weekly.

**100. Hard Questions in Mathematics.** The text used is Kong Hong-tah: Three Hundred Hard Questions in Mathematics (Nanking Book Store).

Senior middle school first year students, three periods weekly.

**110. Solid Geometry.** The text used is a translation of Wentworth: Plane and Solid Geometry, by Chang I (Commercial Press).

Senior middle school second year students, three periods weekly.

**120. Elementary Functions and Applications.** The text used in this course is Gale and Watkey: Elementary Functions and Applications (Holt).

Senior middle school third year students, three periods weekly.

**Political Science****120. General Principles of Political Science.**

Senior middle school third year students, two periods weekly.

**Religion****90. Life of Jesus Christ.**

Junior middle school third year students, two periods weekly.

**100. Comparative Religion.**

Senior middle school first year students, two periods weekly.

**110. The Christianized Life.**

Senior middle school second year students, two periods weekly.

**120. The Philosophy of Life.**

Senior middle school third year students, two periods weekly.

**Sociology****90. Simple Social Problems.**

Junior middle school third year students, two periods weekly.

**100. Principles of Sociology.** The text used is Tsu Shi-ying: Principles of Sociology (Commercial Press).

Senior middle school first year students, two periods weekly.

## UNIVERSITY HOSPITAL AND SCHOOL OF NURSING

## Hospital Committee

(Standing Committee of the University Board of Directors)

Chen Yu-gwan (Chairman); Chao Si-fah, M.D.; Zaung-teh Ing; Mrs. Edward James, R.N.; Edwin Marx; Mei Yih-ling, D.P.H.; Mrs. C. Stanley Smith; Wei Hsioh-ren.

Ex officio: T. C. Woo; J. H. Daniels, M.D.; Miss E. M. Priest, Secretary.

## Acting Superintendent

J. Horton Daniels, M.D.

## Executive Council

J. H. Daniels (Chairman)	Miss Grace Bauer
C. S. Trimmer	Miss Margaret D. Jeffrey
C. B. Chang	Miss Helena G. Van Vliet
James Cheng	Miss Yu Chih Sui-lan
Vera Hsiung, Mrs.	Loo Ngoh-song
Chen Tao-seng	Ting Hai-shan
Sie King-tsu	Ni Hwei-yuen (Secretary)

## Doctors

敦和談	Daniels, John Horton, B.A. (Minnesota), M.D. (Columbia). Acting Superintendent.
裴容德	Brady, Richard F., M.D. (Western Reserve). Physician.
張芝佩	Chang Chi-bei, M.D. (Nanking). Physician.
鄭祖穆	Cheng, James T., M.D. (Northwestern). Surgeon.
陳道生	Chen Tao-seng, M.B. (Shantung). Ophthalmologist, Oto-laryngologist.
熊保巽	Hsiung, Mrs. Vera, M.D. (Union Medical College for Women, Peking). Gynecologist, Obstetrician.
師乃德	Slater, Roland A., B.S. (Eureka), M.D. (Washington). Surgeon.
史高梅貞	Smythe, Mrs. Margaret G., B.A. (Drake), M.D. (Rush). Gynecologist.
風穆爾	Trimmer, Clifford S., Ph.B. (Lafayette), M.D. (Penn.). Physician.
王永仁	Wang Yung-ren, M.B. (Shantung). Surgeon.
王永霞	Wang, Miss Cora, M.D. (Hackett Medical School, Canton). Resident Medicine and Pediatrics.

## Internes

黃兆康	Hwang Chao-kang, M.B. (Nanyang).
劉松齡	Liu Sung-ling, M.B. (Southeastern).
孫止戈	Sung Chi-ko, M.B. (Southeastern).
俞樂仁	Yu Loh-ren, M.B. (Nanyang).

## Nurses

馮麗德	Van Vliet, Miss Helena G., R.N. (Methodist Hospital, Brooklyn, N.Y.; New York State Board of Regents). Acting Superintendent of Nurses.
尉遲瑞蘭	Yu Chih, Miss Suai-lan, R.N. (Chicago Hospital). Assistant Superintendent of Nurses.
周萬益	Cheo Wan-ih, R.N. (University Hospital, Nanking). School Nurse.
朱寶才	Chu Pao-tsai, R.N. (University Hospital, Nanking). Dispensary and X-ray Supervisor.
韓應德	Hynds, Miss Iva, R.N. (City and County Hospital, St. Paul, Minnesota). Supervisor of Special Ward.
鄭富爾	Jeffrey, Miss Margaret D., S.R.N. (Paddington Hospital, London). General Supervisor.
冉長庚	Ran Chang-ken, R.N. (University Hospital, Nanking). Operating Room Supervisor.
秦松林	Ts'ing Song-ling, R.N. (University Hospital, Nanking). Night Superintendent of Nurses.
趙仁裕	Chao, Miss Ren-yu, R.N. Ward Supervisor.
陳韻珊	Chen Ying-shan, R.N. Staff Nurse.
歐陽美利	Ho Yang, Miss Mei-li, R.N. Ward Supervisor.
馮漢文	Feng, Miss Han-wen, R.N. Staff Nurse.
柯寶麟	Ko, Miss Pao-ling, R.N. Ward Supervisor.
李文如	Li, Miss Wen-ru, R.N. Staff Nurse.
李瑞	Li, Miss Yao, R.N. Staff Nurse.
丁文華	Ting, Miss Wen-hwa, R.N. Teacher, School of Nursing.
陳省	Chen Seng, R.N. Supervisor of Eye, Ear, Nose and Throat Dispensary.
張紹彬	Chang, Miss Chao-ping, R.N. Staff Nurse.
周水如	Cheo, Miss Ping-ru, R.N. Staff Nurse, Special Department.
顧春根	Ku Chwen-ken, R.N. Supervisor of Men's Surgery.
林美意	Ling, Miss Mae-ih, R.N. Staff Nurse, Special Department.
唐舜華	Tan, Miss Shuen-hwa, R.N. Staff Nurse, Special Department.
謝敬	Sie, Miss King, R.N.
王運泰	Wang Yuin-tai, R.N. Assistant Operating Room Supervisor.

42 Student Nurses.

**Laboratory**

- 鮑恩典 Bauer, Miss Grace (Howard A. Kelly Hospital, Baltimore, Maryland; School of Public Health, Johns Hopkins). Director.
- 許木均 Hsu Muh-chuin (University Hospital). Technician.
- 魏澤伍 Wei Tseh-wu (University Hospital). Technician.
- 葉鰐 Yeh Ku (University Hospital). Technician.

5 Students in training.

**Pharmacy**

- 盧鶴松 Lu Ngoh-song. Pharmacist.

2 Students in training.

**Office**

- 謝景初 Sie King-tsu, B.C.S. (Southeastern). Assistant Treasurer.
- 倪惠元 Ni Hwei-yuen, B.A. (Nanking). Secretary.
- 張恩壽 Chang En-shou. Accountant.
- 王萬祿 Wang Wan-luh. Business Manager.
- 張榮英 Chang, Mrs. Yung-ying. Matron.

**Evangelists**

- 丁漢山 Ting Hai-shan.
- 羅顯診 Loh, Miss Hsien-chen.

**Student Health Service**

The University Hospital has appreciated the opportunity of working with the students, feeling that it affords the best field for the practice of constructive and preventive medicine. No group is better able to promote an understanding of scientific medicine, an application of hygiene to personal and social life, a need for sanitation, a desire for protective inoculations, a willingness to protect others from contagious diseases, and a healthy observance of physical defects or diseases which can best be cured in the early stages.

It is hoped that each year this service may be extended by the University as the demand increases among the students. At present, annual physical examinations are required, opportunities for inoculations and vaccinations are given, and daily clinics are held by the school nurse, with the doctor coming

twice a week. Ordinary medicines are provided and the free service of the hospital laboratory is given for the students.

There are no adequate provisions for the care of really sick students in the dormitories and they are urged to go to the hospital for proper diagnosis and care, in which case special half-rates for students are allowed on the room fee in first and second class. For registration and other fees, and for clinic hours at the hospital, no special privileges are allowed to the students.

A health fee of \$1.00 per semester is paid by each student to cover the expense of the clinic, while the services of the doctor, the laboratory, and the special reductions in hospital fees are given in return for the University's service to the Hospital.

**Hospital Charges**

Regular first class	minimum \$3.00 (University students \$1.50)
„ second class	„ 1.50 (University students .75)
„ third class	.70

**Dispensary:**

During hours, 9.30—11.30 a.m.:

first call .....	\$ .20
subsequent calls .....	.10
first class, ahead of turn .....	1.00
Outside of hours .....	2.00

**Visiting Hours**

Patients may receive visitors from 10.00 to 11.30 a.m. and from 3.00 to 5.00 p.m.

**School of Nursing**

The School of Nursing admits senior middle school graduates, upon approval of school records and satisfactory physical examination. Junior middle school graduates are required to take a competitive entrance examination and a physical examination.

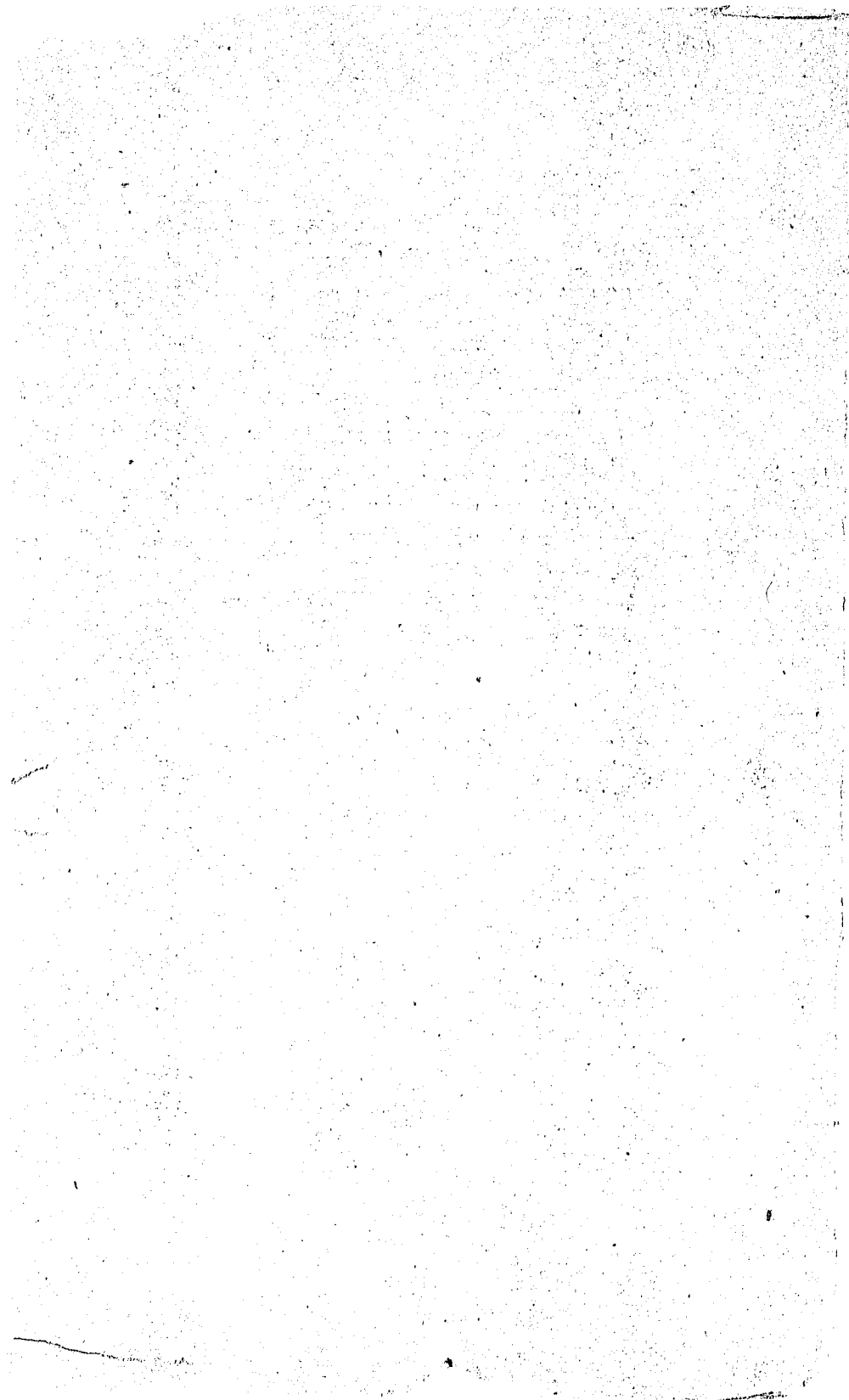
The age limit is from eighteen to twenty-eight years.

Tuition for the preliminary course of three months is \$50.00. Students furnish their own books, for which a book fee of \$15.00 is charged. Board and room are furnished by the Hospital.

Course of instruction: Anatomy and Physiology, Dietetics, Materia Medica, Nursing Ethics, Chemistry, Bacteriology, Bandaging and First Aid, Hygiene, Contagious Diseases, Pediatrics, Obstetrics and Gynecology, Surgical Procedures, Medical Nursing, Ophthalmic and Otolaryngological Nursing, Chinese, English.

For other detailed information, see catalogue of the School of Nursing.





Univ of Nanking

號四第



年六十二至年五十二國民

況概院學文

學大陵金立私

Univ of Nanking Catalogue  
1936-37

CATALOGUE

四一

NANKING UNIV. 1936-37

國立金陵大學文學院概況

# 私立金陵大學文學院概況

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上課

紀念日

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總理辰紀念日

本校紀念日

中華民國成立紀念日

以上四種紀念日舉行紀念式放假

秋季學期結束

寒假

私立金陵大學文學院概況

一

二十六年一月八日至一月十日

二十六年一月七日

二十六年一月一日

二十六年十二月二十五、二十六兩日

二十六年十二月二十日

二十六年十二月十日

二十六年九月十日

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謝	湖	岳	仲	南京	本校商科肄業		副會主計任處	行號B4政院
栗	宗	章		衡南	本校農學士		事務主任	行號B12A政院
齊	兆	昌		杭州	波種國美	師程士學工務工任程湖美江	校工處主任兼	行號B政院
范	益	之		光化北	本校農學士		女生理員	女生宿舍
徐	紹	武		合安	本校農學士		體育主任	體育館
談	和	敦	J. H. Daniels	美國	美國米尼蘇達大學醫學博士		校長校醫	鼓樓醫院
熊	禮	南	坡	鳳南	本校農學士		編輯部轉	行號B3政院

本校教職員一覽表(除國民長外以四十年秋至多五年秋)

姓	名	字	號	籍貫	履	歷	擔任職務及課程	通訊處	附註
劉	國	鈞	衡	如	南京	圖書文士學士	院	路本十號口	
方	衛	廉	Will am P. Fenn	美國	貝國比紐亞大教士授	圖書文士學士	西文系主任	街本一號銀	
王	均	博	之	安江	美國	美國神學士	宗教	路本十號口	
王	文	允	一	興江	員上	員上	究政系助理	路本十號口	
王	鍾	麟	古	常江	員上	員上	究政系助理	路本十號口	
王	鍾	祖	伯	高江	員上	員上	究政系助理	路本十號口	
史	密	士	Lewis S. C. Smythe	美國	美國	美國	社會學	路本十號口	

私立金陵大學文學院概况 本校教職員一覽表

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私立金陵大學文學院概况 本院教職員一覽表

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馬博	江蘇	曾任本校英文教授 主國文 任美校士	政治學	主任	儀衛街 或銀號 二樓
胡俊	和安	員本早稻田大學畢業 任江蘇師範大學 任江蘇師範大學	中國文學	學	義外南 十號 門
胡光燁	嘉興	員本江蘇師範大學畢業 任江蘇師範大學	中國文學	學	十號 門
柯象	貴安	員本江蘇師範大學畢業 任江蘇師範大學	社會學	主任	義外南 十號 門
金精楠	懷安	員本江蘇師範大學畢業 任江蘇師範大學	經濟學	學	義外南 十號 門
金祖慈	義興	員本江蘇師範大學畢業 任江蘇師範大學	黨義	學	義外南 十號 門
周克英	鄞江	員本江蘇師範大學畢業 任江蘇師範大學	圖書館	學	義外南 十號 門
汪國垣	江蘇	員本江蘇師範大學畢業 任江蘇師範大學	中國文學	學	義外南 十號 門
汪兆	休安	員本江蘇師範大學畢業 任江蘇師範大學	中國文學	學	義外南 十號 門

何士芳	無錫	員本江蘇師範大學畢業 任江蘇師範大學	經濟學	學	義外南 十號 門
余賢勛	無錫	員本江蘇師範大學畢業 任江蘇師範大學	中國文學	學	義外南 十號 門
貝德士	美	員本江蘇師範大學畢業 任江蘇師範大學	歷史學	主任	義外南 十號 門
吳惠津	美	員本江蘇師範大學畢業 任江蘇師範大學	西洋文學	學	義外南 十號 門
吳敏鐸	美	員本江蘇師範大學畢業 任江蘇師範大學	史學	學	義外南 十號 門
吳梅	吳江	員本江蘇師範大學畢業 任江蘇師範大學	中國文學	學	義外南 十號 門
吳世瑞	當安	員本江蘇師範大學畢業 任江蘇師範大學	經濟學	主任	義外南 十號 門
朱錫庭	公尚	員本江蘇師範大學畢業 任江蘇師範大學	政治學	主任	義外南 十號 門
朱捷元	南京	員本江蘇師範大學畢業 任江蘇師範大學	中國文學	學	義外南 十號 門

私立金陵大學文學院概况 本院教職員一覽表

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高文	石齋	南京	本校文學士任本坡中國文教員	中西文學	中國文學	曾本十校五號年
凌士芬	安東	廣東	專西大學士任本坡中國文教員	政治學	治學	閩南三京門號雞
章文新	F. P. Jones	美國	美國詩家谷大學碩士	西洋文學	西洋文學	本
章建	樹東	南京	業江蘇任第二北京燒中範學及校京畢女江子嚴中學一書上學中記舞	理中國文學系助	理中國文學系助	號河南七京十信五府
徐益棠	崇德	浙江	國志立學東任蘇大立學東南二究員所務學究印巴圖員書巴籍大輔現任士書上校海申持	歷史社會學	歷史社會學	巷本八京號平倉
陳長偉	南京	南京	務主校文化學究現任本坡圖書流通部兼總	圖書館學	圖書館學	本
陳懿德	Miss E.M. Turner	英國	牛津大學文學士	西洋文學	西洋文學	路本十京九漢口
商承祚	錫永	香港	歷會授北英威建國美教	史中國文學	史中國文學	軍本巷京九編號將
黃友真	Miss L.Ward	美國	福美建國英威華烈學院教授	西洋文學	西洋文學	號路本七京十莫六慈

黃伯思	P. C. Yang-hn	美國	不羣	曹祖杰	張守義	誠質怡	實明綬	趙章甫	廖溫魁	蔣一貫	劉迺敬
集安縣	金江	蘇州府	江蘇	鎮江	湖南	湖北	安徽	安徽	安徽	安徽	安徽
凡	一	文奎	文奎	文奎	文奎	文奎	文奎	文奎	文奎	文奎	文奎
劉迺敬	蔣一貫	廖溫魁	趙章甫	實明綬	誠質怡	張守義	曹祖杰	黃伯思	黃伯思	黃伯思	黃伯思

劉繼宣		衡陽南	志中 館大 中央 聘學 中 纂史	政治學校 歷史教授 安徽通	中國 文學系 主任	學史系 主	子湖陶 街南園 九岸或 號庫雅
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中國文化研究所人員一覽表(除主任委員以外姓氏筆多舉為次)

姓 名	別 號	籍 貫	履 歷	歷	職 務	通 信 處
徐則陵	養秋	金壇蘇	本校教授 文學士 美國伊 黎亞大學 碩士曾任 國立東南 大	主本 任所 委員 會	職本 瞻京 十機 門	
于登	元甫	金壇蘇	浙江之江大學 文學士 曾任山西 井州大學 教授	助 理	橫本 街校 或金 壇	
王鍾麟	古魯	常江蘇	講日本 師東 亞文 學士 曾任 南京 大學 教授 曾任 南京 大學 圖書館 長	研教 員兼 任	本 趙常 校非 京漢 坡漢 西門 內園 或南 或	
李小緣		南 京	館比 本 師東 亞文 學士 曾任 南京 大學 教授 曾任 南京 大學 圖書館 長	研教 員兼 任	本 趙常 校非 京漢 坡漢 西門 內園 或南 或	
貝 士	M. Bates	美 國	魯國 史學 博士 曾任 南京 大學 教授 曾任 南京 大學 圖書館 長	研教 員兼 任	本 趙常 校非 京漢 坡漢 西門 內園 或南 或	
吳 鐸	白 劍	鐵江蘇	本校教授 文學士 曾任 南京 大學 教授 曾任 南京 大學 圖書館 長	研講 員兼 任	文場本 林州 北門 河園 下或	
胡適忠	宅 中	南 京	南京鍾英中學畢業	助 理	二本 京石 九石 號鼓 路	

世界飛翔

共向此間楊閣文化，教育英才之的，進而進焉。

（重）鑒，嫌日見恢宏，迄今三院之離，鼎足而立。凡百設施，于協助中，各循其標，謀均發展，本學校創始於民國紀元前四十二年，距今百有餘年，其間專院之分，合，科系之損，損，組織總

部，規，模，開，學，生，亦，僅，數，十，人。耳。蓋，其，時，科，舉，之，制，未，除，世，家，子，弟，猶，致，院，址，在，在，舉，業，以，登，圖，仕，版，輒，高，科，，其，視，學，棧，也，不，自，雷，敗，途，矣。

院，無須入學及學分考試，本校之地位得與國際間各大學平等者，實基於此也。

士學位，現並接權本校，有直接授給學士學位之權。凡在本校修規定課程者，可選入美國各大學研究，除另設農林外科外，復增設師範科，國語科，美國紐約省立大學之認可，承認給予本畢業生學容，金陵大學，推包文先生為校長，文懷恩先生之副。由是本校規模擴大，基礎益鞏固，乃進而併名為白門之下，維時有一宏育書院焉，性質實相似，似此，困難同感，乃於宣統二年，併入書院，併名為院。

民國六年之夏，遷北京政府教育部定章，改革文科，以理科為本科，三年預科二年，畢業後授以理科為主者，課程方面，經夏偉師科長

私立金陵大學文學院概况

## 三

劉繼宣	衡如	江蘇	泰江	蘇州	學士	主講	師範	五國	崇浙	徐益棠
劉國鈞	衡如	江蘇	泰江	蘇州	學士	主講	師範	五國	崇浙	商承祚
黃玉璵	子元	江蘇	泰江	蘇州	學士	主講	師範	五國	崇浙	徐益棠
劉繼宣	衡如	江蘇	泰江	蘇州	學士	主講	師範	五國	崇浙	徐益棠

私立金陵大學文學院概況 組織

五一

(四)政治學系

(三)史學系

(二)外國文學系

(一)中國文學系 附設國文專修科 國學研究班

稱如下：

本院組織方面，現設有六主系，三輔系，一專修科，一研究班及若干選修學程，如宗教學等。各系各系之，商決系內重要事宜。

務，則由院長召集院務會議討論公決之。系設系務會議，由系主任暨系內全體教授，講師，助教，組織本院行政方面，設院長一人，綜理全院事務。另設院務會議，由院長及系主任主任組織而成，重要院

組織

助，時予指導，俾本院努力之目標，得以完成，且臻上進焉。

並設置文科研究所史學部，以期培植專門人才，對國家社會有所貢獻。所望國內外熱心教育人士繼續贊助，今察過往之成規，審社會之需求，除努力充實內部外，並增設國學研究班，組織中國縣政研究會，院長之壁劃經營有以致之，亦社會人士贊助之力也。

緣上所述，僅為本院沿革之略，究其所以能歷五十年之久，而獲有今日之成績者，斯固歷任校長科以劉鈞先生為文學院院長焉。

生因事告假離職，遂由劉崇本劉遜敬兩先生相繼任院長之職。廿三年奉劉遜敬先生因病告假休養，仍復研究著作等項。由是本院發展關於中國文化之學程，得有該所之協助，益能逐步實施矣。其時劉鈞先生設立中國文化研究所，其目的為(一)研究中國文化，(二)教授有關中國文化之課程，(三)印行中國文化，美國霍爾氏捐助本校美金十萬元為基金，其中以三十萬元指定專為研究我國文化之用，本校因即年秋，美國十九年春，本校遵照教育部頒布大學規程將文理分科為文理學院，農林科改為農學院。是年外資創立學校，在國民政府之下呈立案者，以本校為最先。

本校行政完全由華人主持，後，即積極籌備立案事宜，十七年九月二十日奉大學院訓令，准予立案。一席，由劉鈞先生繼之。

迨國府奠都南京，本校遵照大學頒布條例改組，校董會正式推舉陳格先生為校長，文理科科長應國內之需要。

才起見，特設國文專修科，其修業期限，定為兩年，迄今該科仍繼續存在，並隨時改進其內容，以期適十五年，夏偉師先生回美，陳格先生繼任文理科長，為造就中等學校國文教員及培養研究國學人位，從此文理與農林兩科，齊驅並進，至民國十九年之春，遵照教育部大學規程，改為文理農三學院焉。

私立金陵大學文學院概況

館全部圖書，亦即為本院師範之儲藏。截至民國二十五年三月底為止，本校圖書館所備之中西文社  
本院學程，注重學理之探討，與實地之調查。故整個社會，即為本院學生實習之資料：書本校圖書  
內，此外本校行政機關如校長辦公室，秘書處，教務處，會計處，事務處，工程處，編輯部亦均在內。  
本院院址，位於理農兩學院之間，屋宇寬敞，規模宏大，本院辦公室，教授預備室，課室，均設於

設備

招生。該部研究生，遵照教育部規定，經過考試及格，授予碩士學位。原設之國文專修科仍舊存在。  
現又呈請教育部先行設立文科研究所，其研究期間為二年，茲已批准，定於二十六年度起即可正式  
國二十三年秋季始，招收國內各大學文史學系畢業生。現國學班第一屆已有二十人，研究期滿畢業  
軀系一見，各大學文史學系畢業生成績優良，異思復有深造者，為數甚多。爰決定增設國學研究班，自民  
本院因鑒於東南各大學中文系無文史研究之設備，即類似研究所之組織，專攻國學史學者，亦  
力財力，造就實用人才，適應今日社會需要。

之學科組合，其必修學程，可由三、有關連之系內合選成之。且每系以一二類事業為目標，以期集中人  
究。每部依財力及需要分設若干系。所謂主系學程不必限於一系內之若干學程，乃為一計劃有組織研  
成。注重文化探討。後者由政治學系，經濟學系，社會學系，教育心理學等組合而成，注重實際社會研

社會科學部。前者由中國文學系，外國文學系，史學系以及哲學系，宗教學，圖書館學等組合成科，合組而

依據上述兩種教學目標，參特調整各系關係，並擬集中力量，歸納各系為兩部：一為文史部，一為

二、養成國家公務人才，及社會服務人才。

一、訓練國家學，英文，及史學教員，並培養專門研究人才。

茲為適應社會需要起見，確定本院教學目標為二：  
，增加教學之效能。

教學

本院工作分(1)教學(2)事業與研究兩項，以教學為主，而事業與研究為輔，藉以提高教學興趣

(3)哲學組

(2)圖書館學組

(1)教育學系(附心理學)

以下三系暫不收主系學生

(六)社會學系

(五)經濟學系

私立金陵大學院概況

九

後，撥業受種大之影，機由二萬餘架降至二千架，機戶降百餘戶，降至數百餘戶，其特

1. 創設主旨：南京市綴業，向為本京多數居民衣食之所寄，惟自毛織品及人造絲充斥國內市場以

甲 社會事業

事業及研究

功，即可全部運來，以供本校師生及社會人士之研究，實，祇考證中國文化之好材料也。

部，即本校，永久保存，以資紀念。其中多類稀世之寶，刻正籌建房屋，以備陳設，一俟博物館建築成

本校創辦入福開森博士，曾於歲決定將其四十年所搜集之中國字、畫、史、金石、甲骨等，全

器，心理歷程記載器，平氏故氏測驗，測繪儀器。

弗氏眼耳解剖圖，替氏視覺測驗片，配色板，聲音振動測驗器，反應計器，遠近辨別測驗

心理學主要設備 真頭骨、內耳解剖機形、腦解剖機形、大號耳解剖機形、脊骨解剖機形

品類，六種。狩獵類，三種。宗教迷信類，十六種。醫藥植物類，九種。音樂歌謠類，二種。又影

民族學主要設備

絲山民族衣服類，十六種。裝飾類，十五種。貿易運輸類，二種。嗜好

片。石器時代石器石斧石箭等二十餘件。秦漢遺瓦一百一十二件。均陳列於本院大樓。

文史類主要設備

創四件，戈一件，鏡一件，幾一件，鐘一口，殷墟甲骨一百餘

理掛圖數十幅。本院各項設備，現仍在逐步充中。茲將本院主要設備分列於後。

除上述中西文書雜誌等外，尚藏有殷墟甲骨數百餘片；殷墟文字書若干種；心理學實驗儀器，

亦未列入。

入：中外各機關，各團體，各學校所贈之書籍，雜誌，官書，調查報告，中文小冊等逾萬冊

八

私立金陵大學院概況

事業



養集草譜 2

認資本，共策進行。

本院社會學系，曾經詳細調查研究，後認為倡立人力車合作之需要，該系美史士教授發起，本院來入人力車工廠，增設常時此為生活者，以上其生活之困苦，有非一般人士所能知者，二、創立人力車合作社。

二、創立人力車合作社

前途有裨益，而本院努力事業之目的亦因得以得有一部分之完成焉。

將來計劃：此後計劃，尤為注重農學，推廣農工學之謀，為本身之發展，注重輕工業，設置鐵機，以為實驗之工作。其二：繼續招收學生，尤為注重農工學，推廣農工學之謀，為本身之發展，注重輕工業，設置鐵機，以為實驗之工作。其三：擴大該項合作社，以利生產與運銷，而助此種事業之滋長。於國家救濟農民，恢復國民經濟，佔一席之地，庶於繁榮農村救濟失業工人之目的，內得達到焉。

佔一席之地，庶於繁榮農村救濟失業工人之目的，得達到焉。

3. 目前，同時組織合作社以資推廣。

中國時報組合作社以資推廣

本校負實訓練，第一班已於上年畢業，成績優良。現第二班仍由市府補助三千元，在繼續訓練。其他染織設備，其不足之款由本院與農業專修科合力籌劃，并由市政府撥發五十名學生繼續學習。送資種植各種呢木纖維機及百二十元為建築及添購設備之用，遂竭力擴充，建工廠房屋一大幢，添置各種織呢木纖維機九千二百餘架呢毛，尤于目前工上絕大助力，於三十二年冬季得本京市政府資助三千之爬龍機改進。華北工業改造社（Sanvel Dean）及本校林查禮教授指導頗多，而林氏之爬龍機上徐澄教授募友五百元貸款，為該廠辦理合作社之用。經濟方面，既有把握，遂作技術濟系林登禮教授（J.C.S. Riggs）用其機械學改良本機之構造，俾適合作紡織呢絨之利用，農業經濟而本校林查禮教授（J.C.S. Riggs）同時本京女協會贊助八百元，並資助員往北美實習。而本農業專修科合辦之社會事業，業同當時本京女協會願助八百元，此實驗所遂設在本校內，并得其贊助合作，捐二百元以充資金，於二十二年秋季間，開始進行，場址設在本校農藝專修科內。

2. 創設毛織實驗所之計畫也。

此本院創設毛織實驗所之主旨也。

此爲生者，一時皆成爲社會之流氓民，於市而繁興與治安，均有莫大影響。本院以此情狀，認爲京市織業，有亟待改良與救濟之必要，此其創設毛織實驗所之主旨也。我考我國現狀，仍以農業立國之階段，而農村之繁興與富庶，胥賴乎農民副業之扶助，以農作餘暇，從事生產，年年餘







私立金陵大學文學院概況

事業

乙、組織：

訓練從事其縣政建設之人才，並鼓勵學生參加縣政工作。

一、本會就本院人力財力之所及，進行縣政研究及調查工作。

甲、目標：

中國縣政建設研究會工作計劃大綱

政研究事業，因之得以擬定計劃分期進行。其工作計劃大綱詳列於後：

並成立一縣政建設研究委員會，為推動該項研究工作之重心。嗣於二十四年得美國胡佛氏之資助，作非策力以赴之，不足以勝其效，爰經院務會議決此為本院治經濟社會三系之共同研究工作，縣政研究學程，領導學生分題研討，並從事實地調查，略有成績。茲以縣政建設，為目今中國之基礎工程，政研究學程，本院政治學系年來對於中國縣政建設事業，頗注意研究，數年後即已開授中國縣政研究會工作計劃大綱出版之

(二)縣政研究

(1)繼續刊行編纂工作並設法出版之

(2)繼續購置參考書及雜誌

(3)繼續邊疆調查工作

(4)繼續邊疆語言學程

(5)增設高級學程由教授分別指導學生自行研究

第三期

(1)繼續開設關於邊疆之學程

(2)舉行邊疆調查

(3)編輯邊疆研究參考資料及邊疆問題論文索引並設法出版之

(4)繼續購買參考書辦

(5)繼續並增設關於邊疆之學程

第二期

(1)擬定所研究之問題及重要之翻譯工作並着手搜集各種研究資料先從編輯叢書目及彙纂史料入手

(2)購買較重要之參考書及雜誌

(3)鼓勵學生組織性質之學術團體

(4)組織邊疆問題研究會以主持此種問題之研究

(5)設邊疆問題之基本學程及關於邊疆之各種學程

第一期

丁、進行步驟：

辦，圖表，雜誌，報告等資料，陸續收集，俾整理後即可發表之。

私立金陵大學文學院概況

事業

乙二

丁、高中師範科或與高中同等程度之師範學校畢業而服務年限已合教育部之規定者。

丙、畢業於高級中學同等程度之學校者。

乙、曾在公立或已立案之私立大學預科學業者。

甲、曾在公立或已立案之私立高級中學畢業者。

(三) 凡投考本院一年級，應入學試驗者，須具左列資格之一。

(二) 凡投考本院一年級者，須受本校新生入學試驗。

(一) 本院招收一年級新生，男女兼收。

### 一、入學

### 通則

六、各組於必要時，得設組員若干人，協助進行研究及調查工作。

施。

五、課與適宜之縣政府或試驗區合作，以期獲得研究及調查工作上之便利，及具體改革計劃之實施。

四、設法與本校各院系合作，共同進行關於縣政建設之一切工作。

三、利用假期分往各縣實地考察，並建議具體改革計劃。

二、各系籌備有關縣政建設之課程，鼓勵並協助學生進行研究。

丁、進行方法舉要：

三、社會學系——縣救濟事業，衛生建設，民衆娛樂，人口調查，提倡地方小工業等。

二、經濟學系——田賦制度，縣預算，縣會計，財務行政等。

一、政治學系——縣組織，縣行政制度，地方自治，保甲制度等。

本會暫以文學院政治學，經濟學，社會學三系為基礎，進行研究並調查縣政制度及其實況。

丙、工作範圍：

組研究及調查工作之進行方略。

4. 本會暫設縣行政組織，縣經濟及財政制度，縣社會事業三組，每組設主任一人，負責計劃該

3. 幹事二人——負責搜集並保管研究或調查資料之責，負責推行推廣之責。

2. 文書一人——負責處理本會文書事宜。

1. 主席一人——主持日常會務，並負責推動研究及調查工作之責。

二、職務分配：

一、本會設委員若干人，由院務會議推定之。

三

私立金陵大學院概況

(三)報名者須先將報名電第一式內所開各項一辦妥，不得遺漏，再將本人最近四吋半身相片一張，

第一式及第三式。

(二)投考一年級者，應向本校教務處索取報名第一式及第二式，轉學應向本校教務處索取報名單。其應填表格一套填寫之。

(一)凡欲向本校報名者，無論投考一年級或轉學二、三、年級，均須先向本校教務處索取報名單及其報名(報名)詳細手續見本校招生通告而教務處索取

及距畢業時所缺學分數目，須俟入學後審核轉學學分，結算清楚，始可決定。

(三)轉學學生受國文、英文、試驗及格者，即取得入學資格，開學時可來校註冊上課。惟該生列入何級轉入年級之高下而定。

考試範圍，與一年級新生所考相同，惟錄取標準，則較入一年級者為高。其增高之程度，視該生

乙、英文

甲、國文

應與考一年級者受同樣試驗。

(二)轉學生報名後經本校審查合格者，須於本校舉行入學試驗時，受左列二種試驗：如審查不合時

并受入學試驗及格者，得轉學本院二、三、年級。

二、轉學

(一)凡曾在國內公立或已立案之私立大學或學院肄業相當年數之正式學生，成績優良，經本校審查合格

者，得改為正式學生，補習不及格者，必須退學。

進不遠者，得暫准入學試驗，惟須先在本校補習不及格之科目(補習科目不給學分)，(補習及格標準以上各科科目，均為入大學者必具之基本知識，考學生間如少數科目考試成績不及格，但距及格標

庚、軍事訓練

己、自然科學(包括物理學、化學、及生物學)。

戊、中外史地

丁、算學(包括數學、代數、平面幾何、三角、及解析幾何)。

丙、英文

乙、國文

甲、公民

(二)凡投考本院本科一年級者，須受下列各科目試驗：

己、曾在未立案私立中學或大學預科學業，受教育部甄別試驗及格者。

戊、曾在國外中等學業，經本校審查合格者。

(五) 檢查體格及學期另定之。

(四) 凡在高中級中學師範科，或與同等程度之師範學校畢業者，除繳畢業文憑外，須呈繳符合教育

(三) 報名費，報名單，及相片，既繳之後，無論理由何，概不退還。

(二) 錄取學生所繳畢業文憑及其他文件，如於入學後查出有偽作或任何不法情事，本校得隨時分其

(一) 證明關係作偽，或有任何不法行為時，除考試以無效論外，該生報名時所繳報名費，及已繳之保

(十) 報名者所繳報名文件，如經本校查出有偽造，假冒，或任何其他不法處，除不准其參加入學

(九) 凡報名手續已完畢者，須於考試前一日，攜帶報名文件收據，親到本校教務處領取體格

茶水。凡欲寄信本校者，須於報名時聲明，並預繳宿費雜費共二元。

(八) 本校為謀外埠學生來京投考本校便利起見，特於考期前將本校宿舍開放若干日，並供給電燈

(七) 報名者之報名文件寄到本校後，凡手續完竣者，隨給報名收據，手續不完畢者無效。

(六) 本校備有中學畢業及大學修業證書空白格式，隨報名單附送。報名者除須當時呈遞正式畢業

(五) 報名者應將報名單第二式(轉學)第三式(加貼本人最近四吋半身相片一張)須與貼在第一式上

(四) 報名者須將畢業文憑交本處審查，審查合格後，於文憑背面，加蓋戳記，隨即發還，一一錄取

### 六、改選學程

4. 其他特別情形，經院長允許者。
3. 體質不強，經校醫證實者。
2. 在校外有定期工作，此工作之量與校內學業工作之量相加，與十二學分相等者。

1. 距畢業時所差學分在二十個以下者。

(三) 普通學生每學期所讀學分數目，不得在十二個以下，但有下例情形之一者，不在此例：

一 學分以上。

(二) 學生每學期選課，如無適當學程，可選足上列規定數目時，得少選或多選一學分，但不得多選至

5. 三、四年級每學期應修十六學分。

2. 二年級，每學期連體育一學分，共應修七十學分。

1. 一年級，每學期連黨義二學分，軍訓二學分，共應修二十學分。

(一) 各年級學生，每學期應修之學分數目數目如左：

### 五、選課

6. 其他手續，在本院及教務處告白欄內公佈。

5. 至會計處繳費。

4. 至事務處選定宿舍。

3. 持已經選課指導員簽字之選課表，至教務處換取上課證，繳費單，及朝會座號。

須由選課指導員填入選課表內，並在旁簽字。

2. 持選課表及成績表(辦)新生持入學證至院長室取學程檢核表(表)，至選課指導員處選課。所選課程，

1. 新生狀況調查表，除填繳教務處一份外，須另繳本院一份。並向教務處領取選課表。

(二) 學生註冊時須依照下列手續：

第六日上午十二時以後到校者，一概不得註冊。

在規定日期後註冊，(辦)新生須預繳學費，保留學額(額)但無論何種特別情形，凡在開學後第二星期學校規定日期來校註冊者，須預先備函請假，詳述理由，掛號寄校本教務處，此類學生可准學。凡每學期開學時，新舊學生均應在學校規定日期內，親自到校註冊，其有特別原因，不能在

### 四、註冊

私立金陵大學文學院概況

通則

(a) 東宿舍	十元
(b) 西宿舍	十五元

學費	五十元
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1. 普通(學期計算)

(一) 費用一覽。

(二) 學生註冊後即須繳納各費，至遲於第二日即須繳清。

十、納費

- 僅給予畢業證書(並由美國紐約大學授予學位。史學部研究部滿，得依授予碩士學位。
- (五) 凡本院畢業生，遵照教育部規程并經過畢業考試及格後，給予文學士學位。(國文專修科畢業生)
- (四) 每學生畢業以前，必須作畢業論文一篇。(畢業論文條例見後)。
- 讀十二至十八學分。
- (三) 凡本院學生以某系為主者，須在該系選讀三十二至四十八學分，以某系為輔系者，須在該系選
- 之必修學程，及主系輔系學分符合者，方准予畢業。

(二) 學生須修畢一百三十八學分，(內包括體育二學分，軍事訓練四學分，黨義四學分)並與本院規定期三小時半之工作。

期三小時半之工作。作。合。自。修。上。課。實。驗。時。間。而。言。(高材生每星期二小時半之工作，低能生每星期

(一) 每學分等於校內五十五小時或校外七十五小時之工作，在學期內，一學分約合普通學生每星期

九、學分，畢業，及學位。

業。

- (二) 轉學學生，至少須在校修業四學期，並修畢六十八學分，(包括軍事訓練四學分在內)方准畢業。
- (一) 學生由一、二年級起始學業者，至少須在校修業八學期，方准畢業。

八、修業期限

關於缺席之一切規程，詳載本校學生通則第六章，向教務處索取。

七、缺席

- (三) 改選手續至遲不得過第二星期第六日。
- (二) 凡於註冊後三日外更改學程者，每更改一次，須繳費一元。
- (一) 凡更改學程，須於註冊後三日內舉行之。







私立金陵大學文學院概况 學程綱要

上列公共必修課程之學分，不得算為主算學分。

體育	一〇三	學分
哲學	一〇四	學分
算學	一三三	學分
動物學	一三三	學分
英文	一四四	學分
國文	一四四	學分
高等作文	三	學分
大學二年級作文	三	學分
普通生物學	四	學分
混合算學	三	學分
思想方法論	三	學分
自然科學概論	四	學分
近代歐洲史(1815—1961)	四	學分
文選與作文	四	學分
學術文選	四	學分
軍事訓練	一四四	學分
黨義	一三三	學分
科學	一三〇	學分
歷史	一三五	學分
英文	一三五	學分
國文	一三三	學分
二年級公共必修學程		

軍事訓練	一四四	學分
黨義	一三三	學分
社會學	一三三	學分
歷史	一三三	學分
英文	一三三	學分
國文	一三三	學分
三年級公共必修學程		
社會學概論	四	學分
中國近百年史	四	學分
大學一年級作文	一	學分
大學一年級文選	一	學分
各體文選	四	學分
三民主義之精義	二	學分
社會學概論	四	學分
中國近百年史	四	學分
大學一年級作文	一	學分
大學一年級文選	一	學分
各體文選	四	學分

課程

視所用材料之多寡，定繳費之數，且於註冊前公佈之。

4. 材料或講義費

物理學

私立金陵大學文學院概况 課程

無學分

補習班國文

國文二〇二〇

三學分

目錄學

國文一四九

三學分

文字學大綱

國文一四七

三學分

文學史(下)

國文一四五B

三學分

文學史(上)

國文一四五A

三學分

唐詩選

國文一四二B

三學分

八代詩選

國文一四二A

三學分

文學概論

國文一四〇

輔系 凡以中國文學為輔系者，必修左列各學程：

一學分

畢業論文

國文一七〇T

三學分

詩學聲律

國文一五五A

三學分

文藝批評

國文一五〇

三學分

目錄學

國文一四九

三學分

文字學大綱

國文一四七

三學分  
三學分  
三學分  
三學分  
三學分  
三學分  
三學分

詞選

國文一四六

文學史(下)

國文一四五B

文學史(上)

國文一四五A

唐詩選

國文一四二B

八代詩選

國文一四二A

文學概論

國文一四〇

主系 凡以中國文學為主系者，必修左列各學程：

一、大學本科

三、培植國學專門人才

二、訓練中學國文師資

目的 一、完成國學上之基本訓練

國學研究班  
國文專修科  
大學本科

中國文學系

學程綱要

私立金陵大學文學院概况 學程綱要

五

私立金陵大學文學院概况 學程綱要

每週上課三小時 預修學程國文一四〇

選講漢、魏、六朝、唐、宋、明詩，使學者得古今律賦之體製，以及源流變遷之迹。

二學分

國文一四二 賦選

每週上課三小時 預修學程國文一四二A

專選宋、明詩，使學者明乎詩非但以情韻氣格勝，尤當以意勝也。

二學分

國文一四四 C 宋詩選

每週上課三小時 主輔系學生必修 預修學程國文一四二A

專選唐宋名家名作，使學者得知律詩之體製。

二學分

國文一四四 B 唐詩選

每週上課三小時 主輔系學生必修 預修學程國文一四一或一四〇

專選兩漢迄隋唐八代之名製，詳細講授，使學者得知古詩之體製，以及各代作風之變遷趨勢。

二學分

國文一四四 A 八代詩選

每週上課三小時 預修學程國文一四三

講授近代文學之源流，及轉變趨勢，並選讀批評近代文學家作品。

三學分

國文一四四 現代文藝

每週上課三小時 主輔系學生必修 預修學程國文一四三

通論文學原理，體製，派別，批評，及研究方法，使學者得有正確之文學觀念。

三學分

國文一四四 文學概論

每週上課五小時 本院一年級學生必修 預修學程國文一四三

取歷代關於哲學、史學、文學、考證、小學、聲韻、訓詁之文字，加以研究與批評。

四學分

國文一四四 學術文選

每週上課五小時 本院一年級學生必修

文。

四學分

國文一四四 各體文選

每週上課五小時

作文等項。

本學程專為投考本校一年級新生國文程度低多者而設，其內容注重國學常識，各體文選應讀，練習。

二學分

聲韻學

國文一五

每週上課三小時 選修 預修學程國文三一四  
說明說文之組織條貫，為草研許書之基礎。

二學分

說文

國文一五

每週上課三小時 主系學生必修 預修學程國文一四一四四五A，B。  
講述文學評論之原理，及歷代批評之標準，並估量各派文藝之價值。

二學分

文藝批評

國文一〇五

每週上課三小時 卽圖書館學一四四 主系學生必修 預修學程國文一三三  
目錄學為研究國學之門徑，本學程通論目錄之源流，類別，最後注重應用與讀書指導。

二學分

目錄學

國文一四九

每週上課三小時 選修 預修學程國文一四四五A，B。  
選授古代及唐以後散篇小說，並說明其源流，派別，以及其研究之途徑。

二學分

小說選

國文一四八

每週上課三小時 主系學生必修 預修學程國文一三三

講授文字形聲，義三部綱要，及其相互之關係，俾讀者略識小學門徑。

二學分

文字學大綱

國文一四七

每週上課三小時 主系學生必修 預修學程國文一四四五B  
選授五代兩宋名家作品，並講述其風格，派別，結構，辭，修辭，作法等。

二學分

詞選

國文一四六

每週上課三小時 主系學生必修 預修學程國文一四四五A  
講授唐以後迄於近代文學之變遷，派別。

二學分

文學史(下)

國文一四五B

每週上課三小時 主系學生必修 預修學程國文一四一四〇  
講授周以來以迄五代文學之源流，變遷，及其派別，尤重視某種文體之產生，與其時代背景。

二學分

文學史(上)

國文一四五A

每週上課三小時 本院二年級學生必修 預修學程一三三  
講授國文作法，每週並須作文一次，以資實習。

二學分

高等作文

國文一四四

二學分

專家詞

國文一九五

每週上課四小時 選修 預修學程國文一九五

通論戲曲之律呂，拍眼，製曲諸原則，及南北曲之源流，派別。

四學分

國文一九八

每週上課三小時 選修 預修學程國文一九八

選授金元以來雜劇，散曲諸名作，並指示其審音，變曲諸法。

二學分

國文一九七

每週上課二小時 選修 預修學程國文一九七

通論詞學之體製，音律諸原則。

二學分

國文一九六

每週上課二小時 選修 預修學程國文一九六

講授歷代詞之派別，變遷。

一學分

國文一九六

每週上課三小時 主系學生必修 預修學程國文一九〇

詞史

之準則。

三學分

詩學聲律

國文一九五A

每週上課三小時 選修 預修學程國文一九五A

講授古近體詩聲律條例，自陸機文賦音聲迭代之說，下至近代聲調諸譜，綜合討論，以示作詩叶調之準則。

三學分

國文一九四

每週上課三小時 選修 預修學程國文一九四

選讀周易尚書毛詩三禮三傳，或四子書，訂其訓詁，闡其要義。

二學分

國文一九四A

每週上課三小時 選修 預修學程國文一九四A

研究中國古代之甲骨文，金文，石，銅器，字畫書，碑，瓦，陶器等在中國歷史之價值。

三學分

國文一九五

每週上課三小時 選修 預修學程國文一九五

講述音韻學之原理及歷史，使學者由聲音文字，由文字求訓詁。

三等分	高等作文	國文四
三等分	文學概論	國文四〇
四等分	學術文選	國文三三
四等分	各體文選	國文三〇

國文必修學程

二、國文專修科

每兩週須報告工作情形一次，四年級生學系必修。學生選擇專題，由系主任或教授審定，指導其搜集材料，悉心研究，就研究所得，作論文一篇。

國文一七〇T 畢業論文 一等分

每週上課二小時

講述新穎公文程式，及修詞方法，並注重練習。

國文一六九 公文程式 一等分

每週上課三小時

研究教材之選擇及支配，並實習教授方法。

國文一六八 國文教學法 二等分

每週上課三小時

文字，母以辨別其內容。

國文一六一 專文 二等分

每週上課三小時

選讀史傳名篇，以明文質之中。

國文一六〇 史傳文選 二等分

每週上課三小時

取屈原賦，按篇講授，並為其淵源，窮其流別，與其所以產生此種文學之背景。

國文一六〇 屈原賦 二等分

每週上課三小時

D等，以辨別其內容。

任取五〇五代及兩宋名家之一，詳加研究。至課程號碼之編製，將來每一家詞附一英文字母如ABC

五

私立金陵大學文學院概况 學程概要

爾雅名物，皆有得名之故。今取其可釋者，疏通其義類。每週上課三小時

國文二〇九 爾雅名物求義 二學分 導師 每週上課三小時

討論鐘鼎甲文骨文中諸重要問題，并詳釋各家考述之得失。每週上課三小時

國文二〇八 古文文字學整理 二學分 導師 每週上課三小時

與鐘鼎上文鏤相至密，亦非臆焉，每週上課三小時

自古象形文字，下迄篆、隸、其間變遷之迹，分期論之。其所取證，皆以實物為主。至每期字形，

國文二〇七 古文變遷論 二學分 導師 每週上課三小時

宋儒解說許書條例之精瑣者，詳為闡發，證成之。偶下己意，期於六書真誼，無所疑滯。

國文二〇六 說文彙例 二學分 每週上課三小時

前賢考釋金文文者，始於宋之楊、劉。極於清之孫、詒讓。茲選宋諸家之有名金文文論著，以為模式。

國文二〇五 鐘鼎釋文名著選 二學分 導師 每週上課三小時

每週上課三小時

求可悉數。茲則綴師漢人章句之意，首以斷句為句，移比較文例，以求字義分式，及辭例篇。近時研究甲文骨文者，多闡章字，實多舛誤，而釋為水。入本婦省，而讀為歸。若此之倫，

國文二〇四 甲骨文例 二學分 導師 每週上課三小時

唐疏釋經文，極其精晰。所舉詞例，彙而觀之，可得古人修辭之法。每週上課三小時

國文二〇三 唐人經疏釋經詞例輯述 二學分

儀禮以喪服為最要最精。今取宋以前先儒之說，悉為疏解。以求經文之真誼。每週上課三小時

國文二〇二 服經說集證 二學分

所載，一一徵其文句訓詁及名物。每週上課三小時

國文二〇一 商周書證文 三學分 導師 每週上課三小時

三、國學研究班 (民國三十四年)

國文二〇八 國文教學法 三學分

國文二〇九 目錄學 三學分

國文二一〇 文字學大綱 三學分

私立金陵大學文學院概况 學程概要 二五



五

私立金陵大學文學院概况 學程綱要

於教材之選擇支配，與實際教學方法，各為詳盡之研究。每週上課三小時

國文二一九 文史教學研究 三學分 導師劉繼宣

每週上課三小時

子玄言史法，實齊言史意，各具別識。今注重比較研究，並取新史家之說，以資參證。

國文二一八 劉章史學 二學分 導師劉繼宣

中日文化上之親屬關係。每週上課三小時

日本政治上之大變革，如大化革新，王政復古等，無不承中國文化之影響。今各為專題研究，以明

國文二一七 中日文化關係研究 三學分 導師劉繼宣

本學程首述中華民族開闢南洋，以及於它域，據史立論，不為誇張之詞。每週上課三小時

中華民族向海外發展，多具開闢之偉業，華僑千萬，寓在南洋。而中國與南洋交通，又較它域為早

國文二一六 中華民族海外發展史 三學分 導師劉繼宣

有之藝術，故分期家，明其流變。每週上課三小時

中土文字，起於象形。故書畫相關，長為藝術談藝之士，知畫而不知書，終同面牆書道，乃我國特

國文二一五 中國書學史 三學分 導師胡光燐

每週上課三小時

善學漢書者，無過宋景文，今取新唐書列傳之文，與漢書細為比較，知其敘記之法。

國文二一四 新唐書列傳評文 三學分

每週上課三小時

討論漢書藝文志，條理義例，流略變遷，書辭存佚，劉班異同，及其對於後世之影響。

國文二一二 漢書藝文志研究 三學分 導師劉國鈞

史漢辭用字，記事言，其例甚備。茲分條廣證，期於其書章句，皆得明瞭。每週上課三小時

國文二一一 史漢文例 二學分

關，不主株守之見，亦不為鑿空之談。每週上課三小時

抱古者拘，疑古者多，就甲記錄，參之載籍，以推得殷代社會之真象。言必有據，不知則

國文二一〇 由甲骨記錄中推得之古史 三學分 導師胡光燐

諸篇，博證而深討之。每週上課三小時

清代考訂之業極盛。而以實物證經者，其風自程氏始。昌。考殷說，皆不刊之書，茲就通鑑錄中考古

國文二〇九 程瑤田考古學 三學分 導師胡光燐

私立金陵大學文學院概况 學程綱要 五四



每週上課三小時

絕短韻，而其工至難，茲取唐實名篇，分格說之，兩宋諸作，交資參證焉。

二學分

七絕詩論

導師胡俊

國文二三八

客，其在近體詩中，自成一段。前入於此，素鮮留意，茲特列之。每週上課三小時

三學分

國文二三七

導師胡俊

李懷民重訂中晚唐主客圖。奉張釋島為主，而以宋慶餘李洞以下諸賢為客，此集做張為主客圖例，哀錄貞元以後諸家五言律詩。乃直以其血淚託之吟詠。謝朓詩為遺民時中之巨擘。觀其諸作，未黍之悲，夷夏之憤，兼而有之，故特列焉。每週上課三小時

二學分

國文二二六

導師胡俊

晞髮集。每週上課三小時

二學分

國文二二五

導師胡俊

蘇文忠詩。每週上課三小時

二學分

國文二二四

導師胡俊

玉川子詩。全詩五七言各有殊。致以嚮來論之者少。故特別列而詳論之。

每週上課三小時

自漢以來之淵源，及宋以下之流變，詳密探討之。每週上課三小時

二學分

國文二二三

導師胡俊

杜韓詩之比較及其發源與流衍。今詳敘其原流，陳其利病。每週上課三小時

三學分

國文二二二

導師胡俊

聲偶文學原流。每週上課三小時

三學分

國文二二一

導師胡俊

樊南四評。每週上課三小時

二學分

國文二二〇

導師胡俊

莊子。每週上課三小時

係。除講讀老子文本，文文，繼續研究其思想外。並討論老子之時代，及其對於道家諸家道教及後世思想之關

二學分

國文二一九

導師劉國鈞

外國文學系之目的有三：

### 外國文學系

1. 國文系主系四年級生，將畢本學分，而成績優越者，如經導師許可，得選讀前列課目。
2. 前列各項課目，得依需要，隨時增損。
3. 研究生選習課目時，須經導師之指導或得其認可。

### 附註

上課三小時

同牌異聲，分在平仄陰陽，離南北異法，而各有規律，體釋其旋律，俾字與聲無或舛誤。

導師 吳梅

### 二學分

#### 訂譜述要

每週上課三小時

當世度曲，率多違肌，體就通行諸套，分折陰陽口法，追述懷庭瓊章之遺，為聲家之正的。

導師 吳梅

### 二學分

#### 度曲述要

每週上課三小時

從雅熙樂府，南北宮詞紀，詞林逸響，吳騷合編大麓新奏中擇尤采錄，為學者揣摩聲律之資。

導師 吳梅

### 二學分

#### 散曲研究

每週上課三小時

自董詞以迄防思，各就最著者立一準繩，為作詞之定法。

導師 吳梅

### 二學分

#### 北詞斟律

每週上課三小時

自琵琶以迄藏園，作家林立，就最著中訂律，定南詞之規。

導師 吳梅

### 二學分

#### 南詞斟律

每週上課三小時

夢窗草窗天朝，吳多詞晦，實有條理，周詞明達，雅多故實，體晦者釋之，實者證之。

導師 吳梅

### 二學分

#### 一窗詞釋

每週上課三小時

周詞，弘博精深，驟讀難悟。體暢其易旨，窺作者之心，采摭宋人說部，釋其本事，俾四窗無滯義。

導師 吳梅

### 三學分

#### 清真詞釋

每週上課三小時

屯田為創長調之最先，所傳樂章詞律，往往前後同牌，詞頗多同異，體釋其詞旨，訂其互歧，為柳詞立

導師 吳梅

### 三學分

#### 樂章詞釋

國文二四一

四一五

每季開班

○ 昆蟲學

三十三

每季開班

每週上課二小時

一一一

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### 三六

#### 私立金陵大學文學院概況

##### 學程綱要

五 預修學程英文一三三  
本院二年級學生第一學期必修  
並練習各種文體，尤注重敘述文。

#### 英文一四四 大學二年級作文 二學分

每週上課二小時 每季開班 預修學程英文一三三或三二七

為主輔系之學生不得選讀此學程。

本學程為增進三院學生閱讀能力，因之所選讀之材料以適合各個學生之興趣及能力為標準，以英文

#### 英文一四四 個別閱讀訓練 二學分

每週上課五小時 每季開班 農學院學生一年級第二學期必修 預修學程英文一三三、三三一、三三二

本學程之目的與英文一三三及三三二同，惟教材之選擇，側重學性質之作品。

#### 英文一三七 文選與作文 四學分

每週上課五小時 每季開班 理學院學生一年級第二學期必修 預修學程英文一三三、三三一、三三二

本學程之目的與英文一三三同，惟教材之選擇，側重科學性質之作品。

#### 英文一三六 文選與作文 四學分

每週上課五小時 每季開班 本院學生一年級第二學期必修 預修學程英文一三三、三三一、三三二

理學院學生課程

選讀近代英文論著，繼續訓練學生迅速閱讀之能力，為將來閱讀西書之準備，尤注重練習作文。

#### 英文一三五 文選與作文 四學分

每週上課三小時 大學一年級學生必修 每季開班

選讀短篇故事及戲劇，以期增長學生迅速閱讀之能力。

#### 英文一三四 大學一年級文選 二學分

每週上課二小時 大學一年級學生必修 每季開班

本學程在改進學生寫作能力，期從不斷練習上得以免除各種錯誤。

#### 英文一三三 大學一年級作文 二學分

再讀補習學程。

或其入學後第一月學續而而定。凡補習一學期而其程度仍不能升入大學一年級隨班受課者，得令其  
凡錄取之一年級新生，應否補習三班或須補習三班學程之一、二，視其入學試驗之成績，

附註：

每週上課二小時 每季開班

本學程為改進學生之聽力及練習會話而設，期使其能以英語發表演講。

私立金陵大學文學院概況 學程綱要

私立金陵大學文學院概况

每週上課四小時，春季開班如有需要，秋季亦可開班，養成學生之特點，並可以培養成學生之能力，同時側重詩之研究。

四庫全書

葉文一五四五英國文學博士學位

鼻通齒舌

期，主，務，使，全，開，班。英，文，一，四，五，必，須，於，大，學，二，從，二，學，期，起，以，下，各，課，程，一，可，於，四，年，級，以，前，習。

② 文庫

每週上課五小時，每間班四三二級學生，修水學程為德文入門，旨在使學生能使用所得之文體知識，閱讀簡易參考材料。

井ノ上

德文一四四〇，一四四一初級德文

每週上課五小時 第一年間 學生能使用所得之文法知識，閱讀簡易參考材料。

其  
人  
喜  
笑

法文一四四〇，一四四一初級法文

(二) 法文，德文

每舟過上二時小每間一年秋李班  
每舟過上二時小每間一年秋李班  
每舟過上二時小每間一年秋李班

一二五

英文一六三  
英話語彙

每週上課二小時  
春季開班  
四年級主系學生必修  
並須得教授英文之一意

五  
十  
五

英文一二六二

每週上課二小時，每生寫作一課，上一年，李開班之教授點，及文法之修習，必修正之。

五  
五  
五  
五

英文一二五  
高等文法

每週上課一小時 每季開班 預修學程英文 英文能力。

一六五

英文一四六  
個別作文訓練

## 二學分

### 畢業論文

英文一七〇I

學生選擇專題，由系主任或教授審定。指導其搜集材料，悉心研究。就研究所得，作論文一篇。

每週上課二小時 每週報告工作一次 四年級主系學生必修。

## 二學分

### 西洋文學標準研究

本學程討論關於西洋文之見解，並略述研究西洋文學之方法。凡畢業論文，均須根據此班研究撰

成。

每週上課二小時 預修學程商得教授同意

### (一) 英文文學之起源

## 三學分

### 聖經文學

英文一五七

以文學眼光研究聖經，並述其于西方思想上，文學上，所發生之影響。

每週上課三小時 每週三學期逢春、季開班 預修學程英文一四四

## 三學分

### 歐洲小說

英文一五九

研究英歐十九、二十、兩世紀之小說。

每週上課三小時 每週三學期逢春、季開班 預修學程英文一四四

人

人

人

人

## 二學分

### 古典文學

英文一六A

研究希臘羅馬之敘事詩及戲劇，並詳述其與英國文學之關係。

每週上課二小時 每週三學期逢春、季開班 預修學程英文一四五

## 二學分

### 中世紀文學

英文一六七

研究英國及歐洲傑作如 The Nibelungen Lied, the Chanson de Roland, Dante's Divine Comedy,

Malory's Morte D' Arthur, 等類。

每週上課二小時 每週三學期逢春、季開班 預修學程英文一四五

## 一學分

### 文學背景(一)

英文一七A

講述英國文學之淵源，並述及各時代之宗教的，學術的，社會的，經濟的，歷史的背景。

每週上課一小時 每週三學期逢春、季開班 主系學生必修 預修學程英文一四四

英文一五六 十七、十八世紀之散文名著 三學分  
英文一五七 十六、十七、十八世紀文學 二學分

研究十七、十八兩世紀重要散文家之作品。

每週上課三小時 每週三學期逢春、季開班 預修學程英文一四四

私立金陵大學文學院概況

研究自一九〇〇年來語言傳記，論文之性質的發展，及其變遷。

二學分

英文一五八 近代英美文

英文一五八 (四) 二十世紀文學

每週上課一小時 每週三學期春季開班 主系學生必修 預修學程英文一四四

一學分

英文一七〇 文學背景 (三)

每週上課二小時 每週一年春季開班 選修 預修學程英文一四四

英文一六九 美國文學 (American Literature)

一學分

英文一六九 美國文學

每週上課四小時 每週三學期春季開班 選修 預修學程英文一四四

四學分

英文一六五 浪漫主義及維多利亞時代詩之研究

每週上課三小時 每週三學期春季開班 選修 預修學程英文一四四

研究自 Wondsworth 之重要詩家，迄于 Swinburne 止。

三學分

英文一五五 英文小說

每週上課二小時 每週三學期春季開班 選修 預修學程英文一四四

一學分

英文一五〇 英文論著選

每週上課一小時 每週三學期春季開班 主系學生必修 預修學程英文一四四

英文一五〇 (二) 十九世紀文學

一學分

英文一七二 文學背景 (二)

每週上課二小時 每週三學期春季開班 選修 預修學程英文一四四

研究自 Donne 以來之重要詩家，迄於 Blake 止。

英文一六六 十六，十七，十八世紀之詩

每週上課四小時 每週三學期春季開班 選修 預修學程英文一四四

四學分

英文一六〇 B 莎氏比亞

私立金陵大學文學院概況 學程概要 英文一六〇 B 莎氏比亞



討論維也納會議工業革命主治民義與民族主義發達略史，歐洲列強之政治經濟政策，歐戰前之國際

歷史二五 近代歐洲史(1815—1936) 四學分

每週上課五小時 本院一年級學生必修

最近之經濟狀況等。書用陳非著中國近代史

講授清季以來政府之組織，內政之變遷，叛亂之迭起，外交上之大事，廢除不平等條約之運動，及

歷史二〇 中國近百年史 四學分

五，一，〇，一五。

凡注重本國史者，宜多選讀中國文學課程，注重西洋史者，宜多選讀西洋文學課程。

凡以史學為輔系者，除一年級規定學程及必修歷史一四六外，必須再修歷史一四〇，一四一，或一

歷史一七〇 畢業論文 二學分

歷史一五 世界史大綱(一) 四學分

歷史一五〇 世界史大綱(二) 四學分

歷史一四六 近代歐洲史(1500—1815) 四學分

歷史一四 中國通史(一) 四學分

歷史一四〇 中國通史(二) 四學分

凡以史學為主系者，除一年級規定學程外，必修左列各學程。

凡以史學為主系者，宜選政治學，中國文學，西洋文學為輔系。

史學系

每週上課一小時 每三學期逢秋季開班 主系學生必修 預修學程英文一四四

講述本時期之宗教，學術，社會，經濟，歷史之背景。

英文一七 D 文學背景(四) 一學分

每週上課二小時 每三學期逢秋季開班 選修 預修學程英文一四五

研究自一九〇〇年以來之重要詩家，及其運動。

英文一六 近代英詩選 二學分

每週上課四小時 每三學期逢秋季開班 預修學程英文一四五

英美及歐洲戲劇之歷史的，及文學的研究，自O'Neill止。

英文一六 近代英文戲劇 四學分

每週上課三小時 每三學期逢秋季開班 選修 預修學程英文一四四



關係及戰後之新世界等。

每週上課五小時 本院一年級學生必修

歷史一四二六

歐洲近百年史

四學分

討論歐洲近百年政治經濟發展之狀況。

每週上課五小時 理學院學生必修

歷史一四〇四

中國通史(一)

四學分

討論遠古迄於唐代之治亂興亡，及外交社會學術之變遷。

每週上課四小時 主輔系學生必修

歷史一四一四

中國通史(二)

四學分

據前學課程授課以後內政外交政治社會經濟之情形。

每週上課四小時 主輔系學生必修

預修學程歷史一四〇四

歷史一三四二

日本史

三學分

講授日本內政外交之變遷，及明治維新後之狀況。

每週上課三小時 選修學程歷史一三三三。

教科書 陳恭懋著日本全史

歷史一四四六

近代歐洲史(1500—1815)

四學分

討論國家組織、商業革命、宗教革命、文藝復興運動、德法戰爭、英法殖民地之角逐，英國政治變遷、普奧戰爭、拿破崙之興落，及法國大革命等。

每週上課五小時 主輔系學生必修

參考書 Hayes, A Political and Cultural History of Modern Europe 冊

歷史一五〇〇

世界史大綱(一)

四學分

以批判比較眼光，研究上古時代之世界史，尤注意於希臘羅馬興亡發展之經過，及其對於文化上之貢獻。

每週上課四小時，主系學生必修 預修學程歷史一五三三、一五四

歷史一五一一

世界史大綱(二)

四學分

講授中古時代之歐洲文化，兼研究中古與近代間之過渡情形，以及近代世界史中若干部份，為其他課程所未討論者，如印度史，美國史，拉丁美洲史等。

歷史一五

英國史

四學分

說明英國歷史上之大事，憲法之發展，工業革命及最近之帝國問題等。

每週上課四小時 選修 預修課程歷史一三、一五、一六

教科書 G. M. Trevelyan: History of England

羅勃林著 錢端升譯 英國史

歷史一二五

西洋思想史

五學分

研究西洋各種思想史，并注意社會思想之發展，為歷史系學生最宜選修之課程，社會學系或

文學系學生均宜選修。讀物及論文依各個學生之需要，分別指定。

每週上課五小時 選修 預修課程為歷史一三、一五

歷史一五四

近代大事記

二學分

研究世界大戰之經過，及大戰後之新世界。

每週上課三小時 選修 預修課程歷史一三、一五

教科書 W.C. Langsam: the World Since 1914. or F.L. Benns: Europe Since 1914.

歷史一五五

俄國史

四學分

研究俄國帝國時期之文化，及其發展之過程，並討論革命後之情況與影響。

歷史一五六

歷史研究法

一學分或臨時酌定

講授歷史之重要原則編纂方法，尤注重史料之分析，研究史學家之理論，並選讀其名著。

每週上課二小時 主系學生必修

教科書 Langlois et Seignobos: Introduction aux etudes historiques 李德理譯 史學原論

歷史一五七

歐洲近代外交史

四學分

研究普法戰爭後國際外交之形勢，世界大戰之主因。

每週上課四小時 選修 預修課程歷史一三、一五

歷史一五九A

中國上古史

三學分

以近代之批評方法，及客觀態度，研究秦漢以前歷史上之重要時期或問題，務使學生對於主要歷史

原料，有相當之認識。

每週上課三小時 選修 預修課程歷史一四、一四、一四

歷史一五九B

中國中古史

三學分

研究秦漢至唐代之歷史，標準性質，與歷史一五九相同。

本課程專研究關於邊疆之政治組織，經濟組織，產業狀況貿易狀況，勘界及外交問題，并側重自勵

### 歷史一五八B 邊疆史地專題研究 二學分

每週上課三小時 選修 預修課程歷史一四七并須得教授許可

自動研究報告

本課程注重關於邊疆之社會組織，民族組織，宗教，教育，文化學各種專門問題分別研究。并側重

### 歷史一五八A 邊疆史地專題研究 二學分

每週上課三小時 選修

本課程為研究中國邊省狀況，如滿洲，蒙古，新疆，西藏，雲南等省狀況

### 歷史一四七 中國邊疆概論 二學分

邊疆問題課程

公佈。

附註一 除上列課程而外，中國文化研究所之研究員，曾教授課程多種，將來如繼續開班，可隨時

每週須報告工作情形一次 四年級主系學生必修

學生選擇專題，由系主任或教授審定指導，搜集材料，悉心研究，就其所得論文作一篇。

### 歷史一七〇J 畢業論文 二學分

選修 預修課程歷史一四一，一四四

研究緬甸，安南，馬來半島諸民族，與中國在歷史上之關係。

### 歷史一六四 南洋史 二學分或三學分

選修 預修課程歷史一四一，一四四

研究中央亞細亞之歷史，以及亞洲西部及印度之文化對於中國影響。

### 歷史一六六 西域史 二學分或三學分

選修 預修課程歷史一四一，一四四

講授蒙古滿洲高麗地方地理民族之發展，並作專題之研究

### 歷史一六六 北方史 二學分或三學分

每週上課三小時 選修 預修課程歷史一四一，一四四

研究北宋至清初之歷史，課程性質與歷史一五九相同

### 歷史一六〇 中國近代史 二學分

每週上課三小時 選修 預修課程歷史一四一，一四四

私立金陵大學文學院概況 歷史學系

私立金陵大學文學院概况

講授歐美各國政治之組織實况，並比較各個政治之優劣。

政治學一四 比較政治制度 四學分

參料書：J. W. Garner: Political Science and Government (American Book Co.)

每週上課四小時 主輔系學生必修 預修課程歷史一三三五  
組織及其職權之分配等。

講授政治學之範圍及研究方法，國家之起源及性質，主權之意義及理論，憲法之分類及比較，政府

政治學一四〇 政治學概論 四學分

凡以政治學為輔系者，必修政治學一四〇，一四一，一四二，一四三，一四四。

凡以政治學為主系者，必修經濟學一四一，一四二，一四三，一四四，但不得算作主系學分。

畢業論文 二至四學分

政治學一七〇T

四學分

國際公法概論

四學分

法學通論

四學分

比較政治制度

四學分

政治學概論

政治學一四〇

凡以政治學為主系者，必修左列各學程：

凡以政治學為主系者，宜選歷史，經濟，社會學為輔系。

政治學系

每週上課三小時 選修 預修課程歷史一四四并須得教授許可

本課程專研究新疆，甘肅，青海等邊疆之歷史與地理

歷史一六六 西北邊疆史地 二學分

每週上課三小時 選修 預修課程歷史一四四并須得教授許可

本課程專研究滿洲及蒙古之歷史地理

歷史一六五 東北邊疆史地 二學分

每週上課三小時 選修 預修課程歷史一四四

本課程內容為研究西藏，西康，雲南等邊疆之歷史與地理

歷史一六 西南邊疆史地 二學分

每週上課三小時 選修 預修課程歷史一五八并須得教授許可

研究報告

私立金陵大學文學院概況

○入

每週上課四小時 主輔系學生必修 預修程度政治學一四〇

教科書：W.B. Munro: The Governments of Europe (Macmillan).

政治學一四二 法學通論

四學分

講授法及權利義務之概念，法之淵源，分類，解釋，效力，成立與政廢，及憲法，行政法，刑法，民法，訴訟法等法律之概要。

每週上課四小時 主輔系學生必修 預修程度政治學一四〇

政治學一四二 歐洲政治思想史

四學分

每週上課四小時 選修 預修程度政治學一四〇

講授西洋歷代各家政治思想之概要及其影響。

教科書：R. G. Gettell: History of Political Thought (The Century Co.)

政治學一四四 國際公法概論

四學分

講授國際公法之性質，國際公法之主體及客體，國際交涉機關，國際會議之解決方法，以及戰時法之概要。

每週上課四小時 主輔系學生必修 預修程度政治學一四一或一四二

教科書：A. Hershey: Essentials of International Public Law and Organization (Macmillan)

政治學一五〇 市政學

二學分

每週上課四小時 選修 預修程度政治學一四一或一四二

講授市政府組織，市長制，委員會制與經理制之比較，及市行政各種問題。

政治學一五五 行政法

二學分

每週上課三小時 選修 預修程度政治學一四一或一四二

講授行政法之原理，行政組織，官吏任免，官吏之權利義務，行政行為，行政救濟等。每週上課三小時

政治學一五三 國際關係與組織

四學分

每週上課四小時 選修 預修程度政治學一四一或一四二

講授國際間各種經濟及政治關係，例如競爭商場，爭奪原料，保護關稅，移民，殖民，國外投資，國際交通，疆域爭執，以及民族主義與帝國主義所產生之問題。同時研究國際聯合，國際行政組織，如國際聯盟，國際法庭，國際勞工組織等。

政治學一五六 比較地方政治制度

三學分

每週上課四小時 選修 預修程度政治學一四四

講授各國地方政治制度，及其行政組織，並比較其優劣。

私立金陵大學文學院概況

○入

政治學一六八 中國地方政治制度 學分臨時酌定

每週上課三小時 選修 預修學程政治學一四  
講授現代行政原則與方法，並討論國家行政上組織，指導，選入，選入，財政等問題。

政治學一六七 行政學 學分

每週上課三小時 選修 預修學程政治學一四

根據中外條約，研究我國外交方面各種實際問題，及對於各國之個別關係。

政治學一六六 中國外交問題 學分臨時酌定

每週上課三小時 選修 預修學程政治學一四

講授先秦政治思想之發達，漢以後政治思想之衰落，及近代各派思想之驟起。

政治學一六四 中國政治思想 學分

每週上課三小時 選修 預修學程政治學一四

本學程根據新刑法總則，闡發原理，並綜合各國立法例各項學說，參證最新判例，詳加說明。

政治學一六三 刑法總論 學分

每週上課三小時 選修 預修學程政治學一四

研究國家統治機關之組織，及國民權利義務之作用，並比較三權憲法與五權憲法之優劣。

政治學一六二 憲法 學分

每週上課三小時 選修 預修學程政治學一四

較推論，以明其得失。

本學程就新民法總則，以分析之方法，為系統之說明。並參照各國立法例，援引最新學說比較。

政治學一六一 民法總論 學分

每週上課三小時 選修 預修學程政治學一四

講授私人權利與義務在國際間發生之衝突，及其解決方法。

政治學一五九 國際私法 學分

每週上課三小時 選修 預修學程政治學一四

組織，行政之系統，及其建設之情況。

講授現代憲法運動，及民國以來各種憲法及憲法草案之比較，政治制度之沿革。並研究國民政府之

政治學一五八 中國政治制度 學分

每週上課三小時 選修 預修學程政治學一四

題，國際貿易，易，及各種經濟問題等。

研究經濟原理，生產要素，分配方法，消費意義，貨幣效用，銀行制度，物價升降之原因，勞資間

學分

經濟學原理

經濟學一〇四

三學分

財政學

經濟學一四五

四學分

貨幣與銀行

經濟學一四四

三學分

高級經濟學原理

經濟學一四二

三學分

會計學原理

經濟學一四一A

四學分

經濟學原理

經濟學一四〇

凡以經濟學為輔系者必修左列各課程

一至四學分

畢業論文

經濟學一七〇T

三學分

財政學

經濟學一五四

四學分

工商組織與管理

經濟學一五三A

三學分

國際貿易原理

經濟學一五二

四學分

貨幣與銀行

經濟學一四四

三學分

高級經濟學原理

經濟學一四二

三學分  
四學分

會計學原理  
經濟學原理

經濟學一四一A  
經濟學一四〇

凡以經濟學為主系者必修左列各課程：

論（一）（二）（三）憲法，及教育學（四）統計學（五）（六）國文（七）英文（八）（九）公文程式（十）政治學（十一）（十二）民法總

凡以經濟學為主系者，應選修國文（六）英文（二）公文程式（九）政治學（一）（五）（十一）（十二）民法總

之許可。

凡以經濟學為主系者，得酌量選修農學院農業經濟系學程，算為本系學分，惟須得系主任或院長

經濟學系

附註：凡以政治為主系或輔系者，尚得系主任之同意，歷史一四五，一五七，均得算為政治學學分

業論文著述。凡系學生須選讀此兩班之一。

本系畢業論文，按研究學方式，暫以政治學一六六及一六八兩班輪流供學生選習，俾可從事於畢

政治學一七〇T 畢業論文

每週上課數臨時酌定 四年級主系學生選修

研究我國省縣地方政治制度，省縣間行政關係，各縣施政情形，及各縣地方自治進行之狀況。







經濟學 研究會計上之各種深問題如折舊，改組，合併，或清理時之會計報表之分析等，遂課均有習題。

二學分 高等會計

經濟學一五六 主輔系學生必修 預修課程經濟學一四四

每週上課三小時，主輔系學生必修 預修課程經濟學一四四

二學分 財政學

經濟學一五四 選修 預修課程經濟學一四四

每週上課三小時

研究公司籌集資本，運用資本之方法，公司盈餘之處置，紅利之分配，以及破產或改組時之理財問題。

二學分 公司理財

經濟學一五二B 主系學生必修 預修課程經濟學一四四

每週上課四小時，主系學生必修 預修課程經濟學一四四

二學分 工商組織與管理

經濟學一五二A 主系學生必修 預修課程經濟學一四四

每週上課三小時，主系學生必修 預修課程經濟學一四四

研究國際貿易之原理，政策，與方法，並及關稅制度，海運保險等問題。

二學分 國際貿易原理

經濟學一五二 練習二小時 預修課程經濟學一四八

每週上課二小時，練習二小時 預修課程經濟學一四八

二學分 成本會計

經濟學一五 選修 預修課程經濟學一四一

每週上課三小時，選修 預修課程經濟學一四一

二學分 政府會計

經濟學一四八B 練習一小時 預修課程經濟學一四一

每週上課三小時，練習一小時 預修課程經濟學一四一

均習有以熟練運用。本學程首述各種銀行業務狀況，次述會計上登錄方法，並參照我國銀行現行制度。詳加討論，遂課

二學分 銀行會計

經濟學一四八A 選修 預修課程經濟學一四一

每週上課三小時，選修 預修課程經濟學一四一

切證書之運用，尤加注意，重在練習，以求敏捷，內容分存款，放款，貼現，押匯，匯兌諸項。一

私立金陵大學文學院概況 社會學系

每週上課三小時 選修 經濟學 二四

我國經濟思潮發展之梗概。

首論先秦，道、儒、法、墨，農諸家之經濟思想，次將中古及近世之各項學說，加以研究。使學者得

## 經濟學 一六 中國經濟思想史 二學分

每週上課三小時 選修 經濟學 二四

復次述樂觀主義派，巴斯開之學說，最後論社會主義者對正統學派之批評。

說之批評，首論國家主義派，以李士特之國民經濟學為中心；次述歷史學派，專注重方法之討論；之學說，注重亞丹斯密，馬爾斯，李嘉圖，拉塞克尼及穆勒約五人著述。次述各派對正統學派對西洋經濟思想史擇其切要者，作有系統之研究。首述重商學派與重農學派之原理。次述正統學派

## 經濟學 一六 西洋經濟思想史 二學分

每週上課三小時 選修 經濟學 二四

研究租稅問題，注重中國現狀。

## 經濟學 一五 租稅論 二學分

每週上課三小時 選修 經濟學 二五

分配，與學派之分配論，有何異同，及其理由。

論，工資論，利息論，利潤論，對上列各題作有系統之敘述與分析後，再綜括前文，討論正統派之繼續前課程，研究生產之價值。所謂分配論，係指土地，勞力，資本之報酬而言，其範圍包括地租

## 經濟學 一五 分配論 二學分

每週上課三小時 選修 經濟學 二四

關係，與價格之決定，對決定價格之各種原動力，亦均加以解釋。

說，生產費說，機會成本說，邊際效用說，社會價值說，均作詳細之討論；復次述價值與價格之研究消費財產之價值，首述價值之觀念，次述價值論之歷史及其演進，對勞動價值說，成本價值

## 經濟學 一五 價值論 二學分

每週上課三小時 選修 經濟學 二五

目之種種方法。

本課程首先說明審計之意義，目的，效用，以及準備手續，次述查賬報告書之編製；並討論查核賬

## 經濟學 一五 審計學 二學分

每週上課三小時 練習 一小時 選修 預修課程 經濟學 二四

社會學	二五	家庭	三學分
社會學	一五	農村社會學	三學分
社會學	一〇五	社會學緒論	三學分
社會學	一四二	社會學問題	三學分
社會學	一四一	社會學方法	四學分
社會學	一四〇	社會學原理	四學分

凡以社會學為主系者，必修左列各學程：  
凡以社會學為主系者，宜選史學，經濟學，教育學，政治學等為輔系。

### 社會學系

每週報告工作一次 四年級主系學生必修  
其搜集材料，悉心研究，就研究所得，作論文一篇。

本系畢業論文，採取研究方式，除由教授講授研究方法外，學生選擇專題，由教授審定，指導。

### 經濟學 一七〇 畢業論文 一至四學分

每週上課三小時 選修 預修學程 經濟學 一四一，B 一五，六

討論會計上之一切疑難問題。

### 經濟學 一六九 會計問題 二學分

每週上課三小時 選修 預修學程 經濟學 一四一，四一五

研究關於稅之意義，制度，納稅手續，對於吾國海關之組織，亦詳加說明，末論各國所採之關稅政策

### 經濟學 一六八 關稅論 二學分

每週上課三小時 選修 預修學程 經濟學 一四一，四一五

研究吾國財務行政制度，及行政機關之組織，辦事細則等項。

### 經濟學 一六六 財務行政 二學分

每週上課二小時 選修 預修學程 經濟學 一四一，四一五

詮釋吾國現行有關財政之各項法規。

### 經濟學 一六五 財政法規 二學分

每週上課一小時 選修

研究中外報紙上關於各項經濟新聞之記載方法，及其所用之術語。

### 經濟學 一六四 經濟新聞 一學分

教科書...G.A.Lundberg: Social Research.

每週上課四小時 主輔學生必修  
講授社會學之對象，及如何使用統計法，個案法，歷史法等以研究之。

### 社會學一四 社會研究方法 四學分

教科書 孫本文著社會學原理

每週上課四小時 主輔學生必修

組織及社會變遷。

講授社會學之範圍，社會研究法，影響社會生活之勢力的變力。如地理，生理，心理，及文化等，社會之

### 社會學一四 社會學原理 四學分

每週上課五小時 本院一年級學生必修

，論理學，教育學，社會問題及社會計劃與建設等要點，同時注重實際服務與參觀。

講授社會生活與社會學之概要，如人文地理學，論史學，社會學，經濟學，政治學，法學

### 社會學一三 社會學概論 四學分

社會學一六八

現代社會學說

四學分

社會學一五七 社會心理學 三學分

社會學一五二 家庭 三學分

社會學一四二 社會問題 三學分

社會學一四一 社會研究方法 四學分

社會學一四〇 社會學概論 四學分

凡社會學為輔系者必修左列各學程

經濟學一四〇

政治學一四〇 政治學概論 四學分

以社會學為主系者應選修之學程

教育學一四七

社會學一七〇

社會學一六八 現代社會學說 四學分

社會學一五八 社會個案工作 三學分

社會學一五七 社會心理學 三學分

社會學一五五 社會病理學 三學分

## 社會學一五七 社會心理學 二學分

每週上課三小時 選修 預修課程社會學一四四  
研究社會現象的地理基礎，為人文地理學之一分支。並測重旅行，就其旅行經驗，作研究報告。

## 社會學一五六B 社會地理學 二學分

每週上課三小時 選修

本課程研究我國各種民族之社會狀況。

## 社會學一五六A 中國民族通論 二學分

每週上課三小時 主系學生必修 預修課程社會學一四四  
研究社會各種病態之內容，原因，及影響，以及科學的救濟方法。

## 社會學一五五 社會病理學 二學分

每週上課三小時 選修 預修課程社會學一四四  
講授都市之發展，經濟，人口，區域的分析，並討論近代都市中的各種社會問題。

## 社會學一三五 都市社會學 二學分

教科書...J.K.Folsom; The Family.

## 社會學一五二 家庭 二學分

每週上課三小時 主系學生必修 預修課程社會學一四四  
講授家庭起源，結構，及其有之各問題。

## 社會學一五 農村社會學(即農業經濟學) 二學分

每週上課三小時 主系學生必修 預修課程社會學一四四  
亦討論及之。(即農學院課程農業經濟學一五五)。

講授現今中外各國之鄉村社會問題，對於鄉村社會及城市社會之比較，及歷劃，鄉村社會之方法，  
講授社會原始的理，初民之性質，及其社會，家族，政府，法律，道德發展之過程。

## 社會學一五〇 社會原始 二學分

每週上課三小時 主系學生必修 預修課程社會學一四四  
教科書：書：社會問題 (商務印書館大學叢書及正中書局出版)

## 社會學一四四 社會問題 二學分

講授社會問題之起源，並略論家庭，人口，貧窮，失業，犯罪，種族等問題的內容，及其救濟方法

每週上課三小時 主輔系學生必修 預修課程社會學一四一四

每週上課三小時 主輔系學生必修 預修課程社會學一四一四

教科書...: J.K. Folsom; Social Psychology.

### 社會學一五八 社會個案工作

#### 二學分

討論社會個案工作原理，並注意其應用方面，故同時着重實習。(與金陵女子文理學院社會學三九

同。)

每週上課及實習時間另定 主系學生必修 預修課程社會學一四一四

### 社會學一五九 人口問題

#### 三學分

研究人口結構，人口之量與質，人口移動，及歷代之人口論。

每週上課三小時 選修 預修課程社會學一四一四

教科書 柯象素 現代人口問題 許仕廉：人口論綱要

### 社會學一六〇 現代社會運動

#### 四學分

研究近代各種社會主義，共產主義，法西斯主義，合作運動，和平運動，及英之勞工黨等。

每週上課三小時 選修 預修課程社會學一四一四

### 社會學一六二 勞工問題

#### 三學分

研究中外勞工組織，及有關勞工之各問題如失業，罷工，工資，工時，女工，童工，救濟保險，教育等，以及勞工運動，勞工法，尤着重中國方面材料。

每週上課三小時 選修 預修課程社會學一四一四

### 社會學一六七 社會行政

#### 三學分

討論中外各國政府方面以及公私團體方面之社會行政組織及工作。

每週上課三小時 選修 預修課程社會學一四一四

### 社會學一六八 現代社會學說

#### 四學分

近代各種社會學說之比較，及其批評。

每週上課三小時 主輔系學生必修 預修課程社會學一四一四

教科書...: Sorokin: Contemporary Social Theories

### 社會學一七〇 畢業論文

#### 二學分

學生選擇專題，由教授或系主任任審，指導其搜集材料，悉心研究，就研究所得，作論文一篇。

社會學一七 中國家庭研究

一學分

師生合同研究中國家庭問題。

每週上課三小時 選修 預修學程社會學 一五二

教育學系

本系分教育學組，心理學組，自民國二十三年秋季起，暫不收主系學生。

教育學組

凡以教育學為主系者(係指二十三年秋季前主系學生)，必修左列各學程：

教育學一四一	教育學概論	四學分
教育學一四二	測驗	三學分
教育學一四三	教育心理學	三學分
教育學一四四	兒童研究	四學分
教育學一四五	小學教育	四學分
教育學一四六	教育史	三學分
教育學一四七	統計學	四學分

教育學一四〇	教育學概論	四學分
教育學一四一	教學法	三學分
教育學一四二	統計學	四學分
教育學一四三	教育史	三學分
教育學一四四	教育心理學	三學分
教育學一四五	測驗學	三學分
教育學一四六	教育學概論	四學分
教育學一四七	畢業論文	二學分
教育學一四八	教育行政	三學分
教育學一四九	中等教育	三學分
教育學一五〇	課堂管理法	三學分

研究中等教育之觀念，及其趨勢，旁及中學之行政組織，與教學之指導。

### 二學分

教育學一五六 中等教育

每週上課三小時 選修 預修學程教育學一四一〇四

法。

研究職業指導之心理的，社會的，教育的，經濟的原理，並其在學校教育，社會教育，及其實施方法。

### 一學分

教育學一五四 職業指導

每週上課三小時 主輔系學生必修 預修學程教育學一四一〇四

研究教室規則，指導出席訓練，適應個別需要等問題。

### 二學分

教育學一三五 教學法

每週上課四小時 主系學生必修

研究統計原理，培養統計工作之技能。

### 四學分

教育學一四七 統計學

每週上課四小時 主系學生必修

研究教育學說之派別，及其發展之順序，並討論各種教育制度之意義與得失。

### 二學分

教育學一四六 教育史

每週上課四小時 主輔系學生必修 預修學程教育學一四一〇四

研究診斷法，教學法，管理法，課程製測驗，及其他小學問題。

### 二學分

教育學一四五 小學教育

每週上課四小時 主系學生必修 預修學程心理學一四一〇四

研究兒童身心之發展，以滿足其需要（即心理學一四一〇四）。

### 三學分

教育學一四四 兒童研究

教科書：Gates: Psychology for the Students of Education

每週上課三小時 主輔系學生必修

研究學習原理，個性差別等，為教學之根據。

### 四學分

教育學一二四 教育心理學

每週上課四小時 主輔系學生必修 預修學程心理學一四一〇四

學習各種測驗工具，從事實地測驗，並研究測驗所根據之原理。

### 三學分

教育學一四一 測驗

私立金陵大學文學院概況 教育學系



講授心理學普通原理，及最近之方法與學說，尤特別注重學習心理方面。

### 心理學一四〇 初級心理學 四學分

心理學一四〇六	比較心理學	三學分
心理學一四五五	心理學史	三學分
心理學一五〇五	高級心理學	三學分
心理學一四四五	變態心理學	三學分
心理學一四四四	兒童心理學	四學分
心理學一四四一	實驗心理學	三學分
心理學一四四〇	初級心理學	四學分

凡以心理學為輔系者，必修左列各學程：

### 心理學組本組暫不列為主系

每週須報告工作情形一次，四年級主系學生必修。

學生選擇專題，由系主任或教授審定指導，搜集材料，悉心研究，就研究所得，作論文一篇。

### 教育學一七〇T 畢業論文 二學分

每週上課二小時 選修 預修學程教育學一四一四  
應用統計技能，構造各種量表。

### 教育學一六四 量表構造法 二學分

教科書：.. Bobbit: How to Make a Curriculum

每週上課三小時 選修 預修學程教育學一〇五

研究中小學課程之地位及功能，使學者明白支配課程之社會的及心理的主因。

### 教育學一六〇 課程研究 二學分

每週上課二小時 選修

本學程旨在予中小教員以充分之衛生知識，使知如何管理學校衛生事宜，注意學生之體格健全。

### 教育學一六〇 學校衛生 二學分

每週上課三小時 主輔系學生必修 預修學程教育學一〇五

研究教育行政之各種制度組織及功能等。

### 教育學一五九 教育行政 三學分

每週上課三小時 主輔系學生必修 預修學程教育學一〇四

心理學 一四一 實驗心理學 二學分

每週上課三小時，選修心理學預修課程，心理學一四〇。

心理學社  
每週上課三小時  
修業課程心理學一四一

研究人類之意識及行為，對於社會環境所發生之反應，爲社會科學之中心。社會心理學之研究，雖

○ 週三課上 時小 修選 有修 科理心 一第 四一

Alport: Social Psychology (Hergoton) 教科書

心理學 141 應用心理學 142 社會心理學 (Horgoton) 教科書

教育諸方面。

三三 應心理學的原理事實，態度，技術之如何應用於個人生活，及商業，工業，法律，政治，醫藥。

三四 應心理學

○四一 竇誼少君龍多修時必修  
每週上課三小時  
。面方講育教

心理學 一四四 兒童心理學 一四四 必修 預修課程 心理學 一四四 ○

兒童心理學

[illegible]

每週上課十五小時  
必影 頭到病除 四〇

每週上課十五時 必修 預修 四一 程

研究人類變態行為之心理的基礎，討論下意識之性質及作用，並略說胡弗洛特心理學之原理。

心理學分

三四五

心理學 一四六  
職業心理學 二三四

每週上課三小時  
預修課程：心理學一〇四

研究職業工作量的心理因素，個別差異診斷方法，並與測驗之編造與應用。

心理學 一五〇 高級心理學 一四一 預修心理學 一四一 選修心理學 一四一 上三課 一四一 每週 一四一

對於心理學之方法與問題，加以精深研究

每週上課三小時 必修 預修 心理學 史 二 三 五 一 四 一

研究各時期心理學之概變，及各派學說之大概。

每遍上課十三小時必修禪修禪修禪心禪心禪心○四一靈大之說。

私立金陵大學院概況  
心理學系第一〇四

私立金陵大學院概况 心理學組

之同異，目的在能運用原理而自行編制實用目錄。參考，討論，及課外閱讀。研究中西目錄學原理及其範圍，說明目錄種類，及實用目錄之意義與編制方法，辨別目錄學與編目法

三學分

目錄學

圖書館學一四四

每週上課三小時

輔系學生必修

皆有習題。

研究中西文重要參考書籍之性質，及其特色，問題，使學生對各種普通參考書籍能運用自如，遂

三學分

參考書使用法

圖書館學一四四

每週上課四小時

輔系學生必修

分類，類，典藏，裝訂，特藏，宣傳，流通，目錄用法等，及其一切附屬問題，有習題與實地參觀。注重普通圖書館之內部組織，及行政，致，類，別，各種圖書之性質，及其管理方法，并其分類選擇，編目

四學分

圖書館學大綱

圖書館學一四〇

圖書館學一五三

圖書流通法

三學分

圖書館學一五二

編目法

三學分

圖書館學一五一

分類法

三學分

三學分  
三學分  
四學分

目錄學

圖書館學一四四

參考書使用法

圖書館學一四四

圖書館學大綱

圖書館學一四〇

凡以圖書館學為輔系者，必修左列各學程：

圖書館學組本組暫不列為主系

每週上課數小時

選修

本學程之內容，視學生之興趣及需要而定。

學分(隨時酌定)

心理學研究

心理學一五五

每週上課三小時

必修

三學分

比較心理學

心理學一六〇

每週上課三小時

選修

見宗教學一五七

三學分

宗教心理學

心理學一五七

私立金陵大學文學院概况 圖書學系

等，皆在研究之中。

研究中西書籍演進之程序，及書籍對於文化與圖書館之關係，凡與書籍有關係之材料如紙如墨，筆，

圖書學一六〇六 書史學 二學分

每週上課二小時 選修  
預修課程 圖書館學一四一四

本國情形，及其在讀書治事上之應用。

全書商名錄等之排列法，各科文件序列及保管法，(或稱公文歸納法)及其他類之問題，尤注意於研究索引與序列之原理及方法，包括各家漢字排列法之比較，書籍索引與排列法，目錄，辭典，百科

圖書學一五五六 索引與序列 二學分

每週上課三小時 選修  
預修課程 圖書館學一四一四

館，學校圖書館及專門圖書館，有參訪及討論及課外閱讀。

討論各種特殊圖書館之組織與管理，問題，並研究各種實際設施，尤注重於兒童圖書館，民衆圖書

圖書學一五五五 特種圖書館 三學分

每週上課二小時 選修  
預修課程 圖書館學一四一四

論及課外閱讀。

通論中西雜誌報紙及政府公文之保管整理使用，并討論其歷史性質及價值，除教科書外，有參攷討

圖書學一五四四 雜誌報紙政府公文 二學分

每週上課二小時 輔系學生必修  
預修課程 圖書館學一四一四

討論指導閱覽為利用圖書館之方法，并研究館內外借出與索還書籍各種手續。

圖書學一五三三 圖書流通法 三學分

每週上課三小時 輔系學生必修  
預修課程 圖書館學一四一四

問題，逐課皆有習題。

講授中西圖書編目原理及其方法，對於各種條例作比較的研究，尤注重現代中國圖書編目法之實際

圖書學一五二二 編目法 三學分

每週上課三小時 輔系學生必修  
預修課程 圖書館學一四一四

圖書分類法，英文編目法，與美國圖書館分類法。逐課皆有習題繼續學習。

研究圖書分類之性質與原理，對於中西各家圖書分類法為比較的研究，中文偏重四部分類法，及中

圖書學一五一一 分類法 三學分

每週上課三小時 輔系學生必修

私立金陵大學文學院概况

圖書學系組

哲學一四四 中國古代哲學史 二學分

每週上課三小時 預修課程哲學一四一或一四四

講授殷周迄秦代中國學術思想之流變，分述儒道墨名法諸家思想之概要。

哲學一三四 中國古代哲學史 三學分

每週上課三小時 必修

說明哲學上基本問題之起源，及其發展注重哲學與人生之關係，以啟發學生之哲學思想。

哲學一四一 哲學概論 二學分

每週上課三小時 本院二年級學生必修

研究反省思維之基本原則，及其應用說明科學方法之重要步驟及其根據，並授以淺近之邏輯理論。

哲學一四〇 思想方法論 二學分

哲學一三五 西洋哲學史(下) 四學分

哲學一五二 西洋哲學史(上) 四學分

哲學一四四 哲學概論 三學分

哲學一四〇 思想方法論 四學分

凡以哲學為輔系者，必修左列各學程：

哲學組 本組暫不列為主系

每週上課三小時 預修課程圖書館學一四一

研究參考工作之理論，參考部之組織，各種參考問題之實際地練習，及參考書目之編製。

圖書館學一五六 高級參考工作 二學分

每週上課二小時 預修課程圖書館學一四一

研究等，並討論購置之方法。

討論圖書選擇之原理，及各種圖書館實際問題，如版本鑒別，書估舞弊，價目高下，營業科目之

圖書館學一五六 圖書選擇之原理 二學分

每週上課三小時 預修課程圖書館學一四一

問題。

研究圖書館內部之組織，館員之資格與訓練，表格之編製與使用，經費之支配，並討論建築設備等

圖書館學一六六 圖書館行政 二學分

每週上課二小時 三四年級學生選修

私立金陵大學文學院概況 哲學系

每週上課一小時

選修

及其社會改造之原理。

探討任何宗教團體對於社會和經濟的變遷所發生的關係問題，並研究如何增進人類間之生活狀況

一學分

宗教學一二二 宗教與社會改造

每週上課一小時

選修

本課程專為研究約翰福音所見文學上的價值和教訓。

一學分

宗教學一二三 約翰福音

每週上課二小時

選修

變中之地位。

探討宗教在過去文化上對於人類生活之影響，並研究宗教信仰對於今日機械科學文化時代在世界轉

宗教學一二〇 宗教與現代文化之趨勢

宗教學一二〇 宗教。

下列各課程，注重學理方面之研究。凡本院學生，不得選為主系或輔系。

選修學程

每週上課四小時

必修

研究文藝復興以來，至二十世紀中葉哲學思想發展之次第，及其對於文化之關係。

四學分

哲學一二五 西洋哲學史(下)

每週上課四小時

必修

研究古代及中世哲學思想發展之源流派別，注意哲學與社會經濟政治各方面之關係。

四學分

哲學一二五 西洋哲學史(上)

每週上課三小時

必修

說明道德之性質，及其對於人生之意義，并分析現代社會中之道德觀念。

二學分

哲學一二五 倫理學概論

每週上課三小時

選修

講授兩宋近世中國學術思想之變遷，分述洛關以下諸家學說，及程朱陸王之異同。

二學分

哲學一二五 中國近代哲學史

每週上課三小時

選修

講授漢魏迄唐五中國學術思想之變遷，分述王何以下諸家思想之概要。

二學分

宗教史

宗教學一四六

每週上課二小時

研究基督教運動在歷史上對於人類宗教生活各方面之影響。

一學分

基督教運動史

宗教學一四四

每週上課二小時

研究基督教運動在歷史上對於人類宗教生活各方面之影響。及社會之背景。

一學分

舊約先知

宗教學一四一

每週上課二小時

從科學哲學與宗教三方面來研究宇宙之實體，並討論牠們對於整個人生之影響及其相互之關係。

一學分

真體論

宗教學一三九

每週上課二小時

本課程專為研究使徒行傳內之初期基督教徒之出身及其信仰生活之經驗，並對於今日基督教徒之影響。

一學分

使徒行傳

宗教學一三八

每週上課二小時

用現在科學的眼光，及參考宗教上最有經驗之方法，來指示培養個人宗教生活為目的。

一學分

宗教生活

宗教學一二七

教科書：Fosdick: Modern Use of the Bible

每週上課二小時

之關係。

本課程專為研究聖保羅之書信，並討論其中之教訓和對於初期基督教運動及與現代中國之發展史上

一學分

聖保羅之書信

宗教學一二六

每週上課二小時

研究一般宗教之信仰和經驗，求其意義和真理之所在。

一學分

宗教之真理與意義

宗教學一二四

每週上課二小時

研究耶穌一生之主觀事實，及其實行服役人類之精神，並特別注意其有關於今日社會問題之教訓。

二學分

耶穌言行錄

宗教學一二三

私立金陵大學文學院概況 選修學程





二二

國文專修科簡章

私立金陵大學文學院概況

一學分

體育 一〇三

二學分

軍事訓練一四

三學分

黨義 一三

四學分

其他 九

三學分

目錄學  
文字學大綱

三學分

高等作文

三學分

文學概論

下學期必修學程

二學分

軍事訓練一四

二學分

黨義 一三

四學分

社會學一〇三

四學分

中國近百年史

學術文選

國文 一三三

四學分

各體文選

國文 一〇三

第一學年上學期必修學程

九、其他事項 專修科生之待遇及其他事項，均與正科生同。

八、納費 專修科生納費與大學正科生同。

七、轉學生 凡轉入本專修科者，除呈報繳轉學證書及成績單外，須呈驗高中畢業文憑，受專修科之入學試驗及學分審查或試驗，並須至少在本校修讀一年課程。(三十二學分)

六、改科 專修科學生如欲入學大學正科，須補受入學時免考科目之試驗，並須補讀大學一二二級

五、學程 專修科學生除第一學年規定必修學程，應儘先修習外，(學程見後)應選修社會科學

四、修業年限 本專修科修業年限為兩年，除黨義、體育及軍事訓練學分外，以修畢六十四學分為畢業

同。

三、考試科目 凡投考專修科者，除免考英文及自然科學，加考國學常識外，其餘應考科目，與正科生本校審查合格，入學試驗及格者為限。

私立金陵大學文學院概況 修正畢業論文規則 三二一

(2) 持論文註冊證至選課指導員處接洽負責指導教授，在註冊證上並須先經指導員簽字。

(1) 當預選課證時，先向教務處領取論文註冊證。

註冊手續

凡各院學生在第四學年第一學期開始時，均須選修畢業論文，並向教務處註冊。

一、選修時期

修正畢業論文規則(校務會議通過)

第八條 本規則如有未盡事宜，得由本會議提出修正。

第七條 本會議決案，由院長公布施行，若院長認為困難時，暫緩執行或提交復議。

(八) 院長交議事項。

(七) 關於本院進行計劃之建議事項。

(六) 關於本院內部各種規則。

(五) 關於本院學生訓育事項。

(四) 關於本院學生試驗事項。

(三) 關於本院學生畢業論文審查事項。

(1) 關於課程編製之建議事項。

(一) 關於學系增減及變更之建議事項。

第六條 本會議審議左列事項：

第五條 本會議須過半數會員出席方得開議，議案須有出席會員多數贊成，方為有效。

召集之。

第四條 本會議常會至少每月舉行一次，由院長召集之，臨時會議，得由委員二人以上之提議，由院長

第三條 本校行政各部主任，於必要時，得被邀請出席於本會議。

第二條 本會議俟照教育部頒布大學組織法第十八條以院及系主任組織之，開會議時以院長為主席。

第一條 文學院為協助院長處置本院一切進行事宜起見，設文學院院務會議。

文學院院務會議規則

附錄

體育 一三二

國文 一六八

國文教學法

一學分  
三學分

下期必修學程

私立金陵大學文學院概況 文學院院務會議規則

三二一

繳清。畢業論文完卷，並經院務會議審查合格後，由院長交至圖書館裝訂保存，其裝訂費貳元，於註冊時

十一、裝訂

卷者不得畢業，並不得請求發給證明書。

六月十日(春季)以前，將及格各生名單送交教務處，以便彙呈校務會議，其不及格者，或逾期不交及及格者，由審教處以具體評語，送交各院務會議核移，其結果應由院長於十一月十日(秋季)及評定完卷後，由教務處，由教務處及系主任審查評定，於必要時得由院長指定教授三人複加審查，(評

十、審查手續

六月一日以前交卷。

畢業論文交卷期限在秋季學期註冊者，至遲須於一月一日以前交卷，在春季學期註冊者，至遲須於

九、交卷期限

卷紙及封面須用本校製定之畢業論文紙章及封面，以昭一律。

八、卷紙及封面

論文及其節略須用楷書寫三冊，如用英文著述者，則須用打字機打成三份，送交指導教授批閱。

七、騰寫冊數

授之同意(但無論用國文抑用英文著述，其論文節略必須備中英文各一份)。

論文以用國文著述為原則，並須加以標點符號，在特殊情形下，如欲用英文著述者，須得指導教

六、論文體例

該生工作情形。

五、工作進作

空論，(3)須詳列參考資料之來源。

畢業論文(1)須有創作性，不能抄襲陳文，(2)材料須根據獨立研究，或實地調查結果，不得僅發

四、論文體材

畢業論文定為二學分，不及格者不給學分，並仍須在校註冊重選。

三、學分

(6)論文註冊證各處簽字後，親自交存教務處。

(5)論文題目經選定後，不得任意更改。

(4)論文題目選定後，須得系主任及院長之同意並簽字。

(3)持選課指導員簽字後之註冊證，至負責指導教授簽定擬做之論文題目，並請其簽字。

(三) 獎學金之給與，由校長於規定請求日期截止後，召集會議決定之。

(二) 凡在本院已領有其他項津貼者，不得請求。

者，得於規定之日期內，具呈校長請求補助。

(一) 凡在本院肄業一年以上，成績優異，品行端正，家境清寒，並與各該獎金規定之候選資格相符

### 獎學金競選辦法

(五) 貴州省獎學金若干名，每年一百元凡本院學生係貴州省籍者得請求之。

(四) 包文氏捐助本院獎學金一名，每年一百元本院學生品行端正成績優良者得請求之。

學行優良之學生。

得請求之，其條例另詳。

(二) 胡佛氏社會獎學金學額一名或二名，凡本院以社會學為主系而家境清寒品行端正之學生，

(一) 文學院獎學金學額一名，專給予文學成績優良品行端正之學生。

(乙) 本院

(六) 湖南省教育廳獎學金學額三名，每名每學期國幣百元，凡湘籍學生，學行優良者，得請求之。

(五) 雲南省教育廳獎學金學額若干名，每名每學期國幣四十元，凡滇籍學生，學行均優者，得請求之。

(四) 廣西省教育廳獎學金學額若干名，每名每學期國幣一百名，凡學行均優之桂籍學生，得請求之。續優良，並得有該校長之介紹者，得請求之。

(三) 施氏獎學金學額數名 (Sherwin Scholarship Fund) 凡華籍學生於中學畢業時，其成績優良，並得有該校長之介紹者，得請求之。

(二) 上海商業儲蓄銀行經理陳光甫先生，捐贈本校免費學額二名，凡成績優越之學生，可向校長請凡各公會友，均可向該公會負責人請求之。

(一) 本校創辦人各公會，為獎勵清寒學生起見，每公會均設有免費學額十名，每名可免全年學費，

(甲) 全校

：如左

本院為獎勵有志在校勤學而感經濟困難之學生起見，設有各種免費獎學金，以資補助，茲分為全校及本

### 各種免費獎學金

私立金陵大學文學院概況 各種免費獎學金



中華民國二十五年七月印行

私立金陵大學文學院概况

每册定價大洋壹角

印 者 南 京 美 豐 祥 印 書 館  
編 輯 者 文 學 院 院 長 室

