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Academic  
Course announcements - general  
1919, 1923

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SOOCHOW UNIVERSITY

**Courses and Announcements**

(Catalogue in Chinese, giving more details)

SOOCHOW, CHINA

1919-20

## SOOCHOW UNIVERSITY SYSTEM

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All the educational work of the China Mission, M.E. C., S., for men and boys, is under the control of "The Board of Trustees of Soochow University" operating under a charter granted by the State of Tennessee, and is known as the "Soochow University System."

I. Soochow University, organized in 1900, has its College of Arts and Science, with courses leading to the degrees of B.S., B.A., and M.A., in Soochow, and its Law Department, with courses leading to the degree of LL.B., in Shanghai. Theological training is given in connection with Nanking Theological Seminary, in which we have representation in instruction and management. This graduate course of study covers three years. One year of this can be taken in the Senior College in Soochow. On satisfactory completion of the remaining two years in Nanking Theological Seminary, the University will confer the degree of Bachelor of Divinity.

II. Middle School No. I, on the University grounds in Soochow, Middle School No. II, in connection with the Law Department in Shanghai, and Middle School No. III, in Huchow all have the same course of study preparing men for college, and are controlled by the Board of Trustees through a committee of supervision.

III. The Soochow University Bible School is a school of preparatory grade and is provided with a special advisory committee. It is located in Sungkiang.

IV. All the Primary and Higher Primary Schools of the Mission.

## THE UNIVERSITY CALENDAR

1919-1920

### Fall

Supplementary Entrance Examinations.....	Sept.	2-3
Examinations for Removal of Failures.....	"	2-5
Registration and Payment of Fees.....	"	9-10
Classes meet .....	"	11
Independence Day, Holiday .....	Oct.	10
Birthday of Confucius, Holiday .....	"	20
First Minor Examinations .....	"	21-25
Second Minor Examinations .....	Dec.	16-20
Christmas .....	Dec.	25-
New Year's Day .....	Jan.	1, 1920
Third Minor Examinations.....	"	20-24
Entrance Examinations .....	Feb.	6
Winter Recess begins .....	"	13

### Spring

Supplementary Entrance Examinations .....	"	28
Examinations for Removal of Failures.....	Mar.	1
Registration and Payment of Fees.....	"	2-3
Classes Meet.....	"	4
First Minor Examinations .....	Mar.	30-Apr 3
Arbor Day.....	Apr.	3
Easter Holidays .....	"	5-6
Second Minor Examinations .....	May.	11-15
Third Minor Examinations .....	June	15-19
Entrance Examinations.....	June	25
Alumni Day .....	July	3
Baccalaureate Sunday.....	"	4
Inter-Society Debate .....	"	5
Graduation Day .....	"	6

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Rev. C. T. Li, Bible

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Hsü Yün Hsiu, *Siu Tsai*, Chinese Language  
Hsieh Kuan Ying, *Siu Tsai*, Chinese Classics and Literature  
Chu Hsiao Ku, *Siu Tsai*, Chinese Language and Literature  
Huang Ta Wu, *Siu Tsai*, Chinese Language and Literature  
Mrs. J. W. Cline, Litt. B., German  
D. L. Sherertz, M. A., Director of English in Middle School, Education  
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Miss Bettie Ridgway, Litt. B., English  
C. L. Glenn, M. A., Physics and Mathematics  
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Wu Hsien Shu, B. A., English in Middle School  
Pan Jun Min, B. A., B. S., Instructor in Physics and Chemistry  
Hsü Ching Han, B. S., M. A., Instructor in Physics and Chemistry  
Sun Yun Po, B. A., B. S., English in Middle School  
Chang Wei Hsin, B. S., Bible and English in Middle School  
Chiang Shang Yu, Chinese, and Instructor in Chemistry and Physics  
Shih Chi Yen, B. S., M. A., Instructor in Biology  
Pan Li Chieh, B. S., Assistant in Chemistry  
Tai I Ching, Band Instructor  
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H. B. M. Court, Shanghai

Sar Shen, Attorney practicing in the Courts of China.

M. N. Zaukl, LL.B.

*Special Instructor*

Chow Knei, M. D.

#### OTHER SCHOOLS OF THE SOOCHOW UNIVERSITY SYSTEM

Soochow University Middle School Number Two, Shanghai,  
A. P. Parker, D.D., Principal

Soochow University Middle School Number Three, Huchow,  
W. A. Estes, B.A., Principal

Soochow University Bible Training School, Sungkiang, W. B.  
Burke, B.A., Principal

## STUDENT FEES

### COLLEGE DEPARTMENT

1. Tuition.....\$50 per annum
2. Board, Lodging and Incidentals.. 60 ,, ,,
3. Laboratory:  
Chemistry—All courses except IV and X \$10 per course  
Chemistry IV has no fee. The fee for Chemistry X  
depends of the nature of the problem under  
investigation.  
Courses requiring extra apparatus and extra chemicals  
will be charged special fee  
Physics—I, II., and III..... 5 per course  
Botany—I, II., and V..... 3 ,, ,,  
Botany—III..... 10 ,, ,,  
Zoology—Courses I., II., III., IV..... 3 ,, ,,  
Geology—I and II..... 2 ,, ,,

### MIDDLE SCHOOL DEPARTMENT

1. Tuition.....\$70 per annum
2. Board, Lodging and Incidentals.. 60 ,, ,,
3. Laboratory:  
Physics..... \$1 per course  
Chemistry ..... 2 ,, ,,  
Biology..... 1 ,, ,,

### MIDDLE SCHOOL PREPARATORY CLASS

1. Tuition.....\$50 ,, annum
2. Board, Lodging and Incidentals.. 60 ,, ,,

### COMMON CHARGES FOR ALL STUDENTS

1. Drill Uniforms (not renewed an-  
nually) ..... 16 ,, ,,
2. Library Fee (one year or part).. 1 per annum
3. Athletic Fee ( ,, ,, ,, ,, ).. 3 ,, ,,

4. Deposit Fee (one year or part)... 3 per annum
5. Student "Annual" Fee .....1.50 ,, ,,
6. Student Magazine Fee.....1.00 ,, ,,

Non-boarding students, in addition to the common charges, will pay one-half incidental fee .....\$12 per annum.

All fees are payable at the beginning of the term.

A registration fee of \$10 is charged. This amount is deducted from the tuition fee at the time of entering. Should the student fail to come, this amount will not be returned; should the University for any reason decline to receive the student, the registration fee will be returned. A place will not be reserved without the payment of this fee.

## REQUIREMENTS FOR B. A. DEGREE

### JUNIOR COLLEGE

<i>First Year</i>			
First Term	hrs.	Second Term	hrs.
Chinese .....	8	Chinese .....	8
Bible I .....	3	Bible I .....	3
English I .....	5	English II .....	5
Mathematics I .....	5	History I .....	5
Physics I .....	5	Chemistry I .....	5
<i>Second Year</i>			
Chinese .....	8	Chinese .....	8
Bible II .....	3	Bible II .....	3
English III .....	3	English III .....	3
History II .....	5	History III .....	5
Economics I .....	5	Sociology I .....	5
Zoology I .....	5	Political Science I .....	5

### SENIOR COLLEGE

<i>Sophomore</i>			
Chinese .....	8	Chinese .....	8
Bible III .....	3	Bible III .....	3
English IV .....	5	English V .....	5
Elective .....	5	Elective .....	5
Elective .....	5	Elective .....	5
<i>Junior</i>			
Chinese .....	8	Chinese .....	8
Bible IV .....	3	Bible IV .....	3
Economics I .....	5	Philosophy I .....	5
Elective .....	5	Elective .....	5
Elective .....	5	Elective .....	5
<i>Senior</i>			
Chinese .....	8	Chinese .....	8
Philosophy II .....		Philosophy II .....	
(Bible & Ethics) .....	3	(Bible & Ethics) .....	3
Elective .....	5	Political Science I .....	5
Elective .....	5	Elective .....	5
Elective .....	5	Elective .....	5

Note: The reorganization of the college last year providing for two years junior college must take effect gradually. For 1919-20 the senior college courses are practically the same as before the reorganization. The second year of Junior College will be somewhat modified this year to meet the conditions of transition.

## REQUIREMENTS FOR B. S. DEGREE

<i>First Year</i>			
First Term	hrs.	First Term	hrs.
Chinese .....	8	Chinese .....	8
Bible I .....	3	Bible I .....	3
English I .....	5	English II .....	5
Mathematics I .....	5	History I .....	5
Physics I .....	5	Chemistry I .....	5
<i>Second Year</i>			
Chinese .....	5	Chinese .....	5
Bible II .....	3	Bible II .....	3
English III .....	3	English III .....	3
Physics II .....	5	Physics III .....	5
Chemistry II .....	5	Chemistry .....	5
Zoology I .....	5	Zoology II .....	5
<i>Sophomore</i>			
Chinese .....	6	Chinese .....	6
Bible III .....	3	Bible III .....	3
English IV .....	5	English V .....	5
Elective .....	5	Elective .....	5
Elective .....	5	Elective .....	5
<i>Junior</i>			
Chinese .....	6	Chinese .....	6
Bible IV .....	3	Bible IV .....	3
Elective .....	5	Philosophy I .....	5
Elective .....	5	Elective .....	5
Elective .....	5	Elective .....	5
<i>Senior</i>			
Chinese .....	6	Chinese .....	6
Philosophy II .....		Philosophy II .....	
(Bible & Ethics) .....	3	(Bible & Ethics) .....	3
Elective .....	5	Elective .....	5
Elective .....	5	Elective .....	5
Elective .....	5	Elective .....	5

Note: Those who have taken either B.A. or B.S. degree and desire to take the other must take not less than one year's full course, as directed by the faculty, before obtaining the additional degree.

## REQUIREMENTS FOR THE M.A. DEGREE

The work leading to this degree is intended, in general, to cover two years, and consists of a major course and at least three minor courses.

A grade of 80 in all courses presented for graduate credit, and a thesis on some topic related to the major course, are required.

A bachelor's degree is a prerequisite.

The selection of courses and all other details connected with the work for this degree are to be arranged in consultation with the Faculty Committee on Graduate Study.

## THE DEPARTMENT OF CHEMICAL ENGINEERING

In recognition of the necessity of making all our science courses as practical as possible, and in response to frequent calls for practical courses in Chemistry, plans are being developed for offering in the Senior College a three years' course in Chemical Engineering. This course will be open to a limited number of men who have shown by their work in the Junior College (or in corresponding courses in other colleges) that they are qualified to do work of a high order in this field of science.

The present plans look toward the opening of this course in the fall of 1921. The course of study will be published later.



## MIDDLE SCHOOL COURSE

### FIRST YEAR

	hrs. a wk.
BIBLE: "Great Men of Israel" .....	3
CHINESE: Ethics 1 hr., Language 4 hrs., History and Geography 2 hrs. each, Composition and Penmanship 2 hrs. ....	11
ENGLISH: Grammar, Conversation, Composition, etc. 5 hrs., Reading—"Big People and Little People of Other Lands," Robinson Crusoe (one syllable series) "Fifty Famous Stories" 5 hrs. ....	10
MATHEMATICS: Arithmetic.....	3
SCIENCE: Physiology and Hygiene .....	3
Total .....	30

### SECOND YEAR

	hrs. a wk.
BIBLE: Hebrew History .....	3
CHINESE: Ethics 1 hr., Language 4 hrs., History 2 hrs., Geography 1 hr., Composition and Penmanship 2 hrs. ....	10
ENGLISH: Language work: "Graded Lessons," Conversation, Composition, etc., 5 hrs., Reading—"Science Reader," "The King of the Golden River," Montgomery's Beginner's History of the United States. 5 hrs. ....	10
MATHEMATICS: Algebra-Well's Essentials of Algebra .....	3
GEOGRAPHY: Hawkins' Geography of the World .	3
Total .....	29

### THIRD YEAR

	hrs. a wk.
BIBLE: Life of Christ.....	3
CHINESE: Ethics 1 hr., History 2 hrs., Language 4 hrs., Composition and Penmanship 2 hrs. . .	9
ENGLISH: Language work: "Mother Tongue No. 2" and composition work 4 hrs., Reading-Ball's Starland, or equivalent, Treasure Island, or equivalent 4 hrs. ....	8
MATHEMATICS: Well's Essentials of Algebra....	3
SCIENCE: First Term elementary Physics, Second Term, elementary Chemistry .....	5
Total.....	28

### FOURTH YEAR

BIBLE: "The Apostolic Age" .....	3
CHINESE: Ethics 1 hr., Language 4 hr., Composition and Penmanship 2 hrs., History (first term) and Civics and Economics (second term) 2 hrs.....	9
ENGLISH: Language work: Advanced Grammar and Composition; Literature: Vicar of Wakefield, Gulliver's Travels, Quiller-Couch's Historical Tales of Shakespeare .....	5
HISTORY: Howe's "Essentials of Early European History" .....	3
MATHEMATICS: Plane Geometry .....	4
SCIENCE: Elementary Biology (one term).....	
EDUCATION, or other elective (one term) .....	4
Total .....	28

## COLLEGE COURSES

### CHINESE DEPARTMENT

#### *Junior College*

**History of Chinese Ethics:** This course is for Junior College first year.

Two hours a week, two terms.

**Methods of Studying History:** Intelligent study of history goes hand in hand with a clear knowledge of geography. Scholars of the Ching Dynasty laid right emphasis on this. But in this study two methods may be employed, namely: (I) the study of original sources, the comparison of these sources, and their compilation, and (II) the study of history with emphasis on its literary value and its interpretation. To the special student of history, both these methods are important. But for those who do not desire to specialize on this subject, the second method will be followed in order to give what they need.

Two hours a week, two terms.

**Principles of Chinese Philosophy.** This course is for Junior College second year.

Two hours a week, two terms.

**History of Geographical Changes.** Special emphasis is laid on the changes of the boundaries, and on the opening up of the country, besides a careful study of geographical changes throughout the dynasties, so that the student may have the desire created in him to protect and preserve them.

**Classical and Model Literature:** The purpose of studying model literature is to acquaint the student with methods of composition, while the purpose of studying classical literature is to lead the student into the path of learning after he knows how to produce literature himself. Selections from narrative, expository, explanatory, and argumentative writings, as well as letter writing, are studied. The course on literature for the Junior College first year consists of seventy per cent modern literature and thirty per cent classical literature, and the course for the Junior College second year contains half and half of each kind of literature.

Four hours a week, two terms.

#### *Senior College*

**Literature I.** Works of Hon Fang Yu

Two hours a week, two terms.

**Literature II.** Works of Ky Ting Lin

Two hours a week, two terms.

**Literature III.** Works of Kung Ting An

Two hours a week, two terms.

**History of Philosophy I.** Ancient Philosophy

Two hours a week, two terms.

**History of Philosophy II.** The Philosophy of China's Middle Ages.

Two hours a week, two terms.

**History of Philosophy III.** Modern Philosophy

Two hours a week, two terms.

**History of Literature I.** From Remote Antiquity to the Sui Dynasty.

Two hours a week, two terms.

**History of Literature II.** Tang and Sung Dynasties.

Two hours a week, two terms.

**History of Literature III.** Liao, Chin, Yuan, Ming, and Ching Dynasties.

Two hours a week, two terms.

**Chinese Classics.** As the amount of literature on Chinese Classics, both ancient and modern, is exceedingly great, it is necessary to take a few selections that give the essence of the teaching of the Classics that are of use to the student in the present day. Efforts are therefore made to select such material as will save the student's time and give him a comprehensive knowledge of the relations of the systems, thus making the course interesting rather than cumbersome.

Two hours a week, two terms.

**Chinese Politics.** Careful selections are made from the numerous writings on Chinese politics, government, law, political institutions, with special emphasis on their bearing upon present day politics. A study is also made of the principles of government that come into conflict with the principles of modern democracy.

Two hours a week, two terms.

**Chinese History.** Material for this course is most difficult to gather for the use of our students. However special efforts are made to use such material as will be of practical use.

Two hours a week, two terms.

## BIBLE

PROFESSOR CHAO

**Bible I:** Old Testament History. This course lays emphasis on the progressive revelation of the Divine Will in the social, political, ethical and religious achievements of the Hebrews.

Two hours a week, two terms.

**Bible II:** New Testament History, comprising the Life of Christ and the Apostolic Age. This will embody a study of the source, dynamics, expansion and fundamental principles of Christianity.

Two hours a week, two terms.

**Bible III:** The Bible as Literature. Selections from both Testaments will be studied with special regard to the social ideals and religious philosophy as well as to the literary value of the Bible.

Two hours a week, two terms.

**Bible IV:** Comparative Religion.

(a) A special study of the Principles of Christianity preparatory to the study of other religions.

(b) Buddhism, Taoism, Mohammedism, and Confucianism. This course embraces a study of the ethical ideals, the dynamic forces, and the achievements of these systems.

Two hours a week, two terms.

## BIOLOGY

PROFESSOR GEE AND MR. SHIH

BOTANY.

**Botany I.** Elementary Botany. This course will include a study of representative type-forms from each of the great divisions of the plant world, Thallophytes, Bryophytes, Pteridophytes and Spermatophytes. Beginning with the lowest forms, the study will be conducted from the standpoint of the evolution of the plant kingdom, stress being laid upon the alternation of generations as it appears in the lower forms and reaches its climax in the full development of the sporophyte generation in the seed plants. A number of types will be carefully studied in the laboratory.

Text: Fundamentals of Botany Gager

Five hours a week, one term, 3 lectures, 2 laboratory periods of two hours each.

**Botany II.** General Morphology and Classification of the Thallophytes. A thorough study of the morphology and classification of the common algae and fungi will be made. Special attention will be directed to those forms that are in any way related to the welfare of man. The abundance of standing water gives us an unusually large supply of the fresh water forms and these will be carefully worked over in the laboratory. Our herbarium furnishes us with a number of typical salt water forms.

Botany I is a prerequisite for this course.

Text: West's Algae.

Five hours a week, one term, 2 lectures, 3 laboratory periods.

Note. Other groups may be offered in the place of the Thallophytes as there is demand for them.

**Botany III.** Plant Histology. This course gives practical instruction in collecting, killing, preparing, sectioning and mounting various plant tissues. The course consists chiefly in laboratory work where the use of the paraffin bath, the microtome, re-agents and stains is taught by practical work.

Botany I is a prerequisite for this course.

Text: Chamberlain's Methods in Plant Histology.

Five hours a week, one term, 1 lecture, 4 laboratory periods.

**Botany IV.** Theoretical Plant Physiology. This course includes the study of the general principles underlying the physical processes of nutrition, growth, and reproduction, also a study of the effects of stimuli and certain natural environmental forces upon the cell activities, the growth and development of the plant.

Botany I is a prerequisite for this course.

Text: MacDougal's Text Book of Plant Physiology.

Five hours a week, one term.

**Botany V.** General Systematic Botany. This course consists in the study of the characteristics of the various families and genera of plants found around us and an attempt will be made to work out careful lists of local flora. Each student will be required to prepare a specified number of herbarium sheets. Part of the work will be to work out the Chinese equivalents for the Latin names of local plants.

Botany I and II are prerequisites for this course.

Text: Gray's New Manual of Botany and Gee's List of the Plants of Kiangsu Province. A number of very valuable works on Chinese Flora are available for reference in this work.

Five hours a week, one term, as much field work as possible.

#### ZOOLOGY.

**Zoology I.** Elementary Zoology. Beginning with the simplest unicellular forms, a detail study is made of representative animals of each group with a view to showing the increasing degree of complexity of organization and activities. Our canals furnish us with the lower forms in abundance and the higher ones can be had for the required study and dissections.

Text: Pearse's General Zoology is used as a basis for the course, but much material is added on our Chinese Fauna.

Five hours a week, one term, 3 lectures, 2 laboratory periods.

**Zoology II.** General Systematic Zoology. A close study of the structure of animals as a basis of their classification is made in this course. Local forms will be dissected, their structures determined and the forms classified. There is a

large field for this class of work, as little has been done upon the systematic side of China's invertebrate fauna.

Zoology I is a prerequisite for this course.

Text: Hegner's College Zoology.

Five hours a week, one term, 3 lectures, 2 laboratory periods.

**Zoology III.** The Protozoa. This course will comprise a study of the lowest forms of life so abundant in our standing water. Many of these are of great importance because of their relation to the health of the general public. Both the structural and systematic sides of the subject will be studied.

Zoology II is a prerequisite for this course.

Text: Calkin's The Protozoa. Minchin's Protozoa.

Five hours a week, one term, 2 lectures, 3 laboratory periods.

Note. Other groups may be substituted for the Protozoa as the demand for them arises.

**Zoology IV.** General Embryology. A general review of cell structure and cell function will be followed by a study of germ cells, their maturation, fertilization, cleavage, and the general processes of early development which lead to the formation of the embryo.

Zoology II is a prerequisite for this course.

Text: Kellicott's General Embryology.

Five hours a week, one term, 3 lectures, 2 laboratory periods.

#### GENERAL BIOLOGY

**Biology I.** General Biology. This study takes for granted the knowledge of the structural details and deals with the general principles. The various physiological processes and the vital questions of variation and heredity are discussed and reports made upon reference work on these subjects.

Botany I and Zoology I are prerequisites for this course.

Text: Dendy's Outlines of Evolutionary Biology, and Abbott's General Biology.

Five hours a week, one term.

**Biology II.** Genetics. This course is designed to meet the need for an introduction to the principles of heredity. Knowledge of this vital question is becoming more definite each year and every one interested in the future of the human race should be prepared to do intelligently his part in the uplift. This course attempts to give training along this

line. Each student will be required to present a paper upon some assigned subject.

Botany I and Zoology I are prerequisites for this course.

Text: Walter's Genetics, Journal of Heredity.

Five hours a week, one term.

**Biology III. Evolution.** This subject is first approached from the historical side, making a general study of the history of Biology. Then the fundamental properties of protoplasm and of cells, the more important theories of heredity, natural selection, mutations, and the various adaptations of organisms to their environment are discussed with reference to their value as evidence of organic evolution.

Botany I and Zoology I are prerequisites for this course.

Reference books: Scott's The Theory of Evolution; Lull's Evolution; Osborn's From the Greeks to Darwin; Miall's Early Naturalists; Wilson's The Cell in Development and Inheritance; Punnett's Mendelism; Loey's Biology and its Markers; and many other standard works.

Five hours a week, one term.

**Biology IV. Agricultural Biology.** In this course some of the fundamental principles of Biology as related to agriculture are studied. The students are assigned topics relating to present Chinese practice in agriculture for investigation, and when they report on these they are discussed in the light of modern ideas of scientific farming.

Biology I is a prerequisite for this course.

Text: Several texts are used as a basis for the course and parallel reading is assigned.

Five hours a week, one term.

**Biology V. Economic Biology.** This course will be an application of the knowledge gained in the earlier courses to the study of practical problems relating to our sources of food materials; fibers used for clothing, etc; commercial products, problems of health and sanitation, etc; constructive criticism will be offered on materials and processes.

Biology IV is a prerequisite for this course.

Text: Materials from scattered sources will be gathered for this course. Assigned library work will be a regular part of the work.

Five hours a week, one term.

**Biology VI. Fresh Water Biology.** This course will comprise a systematic survey of the water fauna and flora of our immediate locality. The canals, lakes and ponds furnish a varied and interesting lot of materials for this course and much of it has never been worked out.

Botany II and Zoology II are prerequisites for this course.

Text: Life of Inland Waters, Needham and Lloyd; Ward and Whipple's Fresh Water Biology; and monographic literature on the various groups of plants and animals.

Five hours a week for one term, largely laboratory and field work.

## CHEMISTRY

PROFESSOR JONES AND MESSRS PAN, HSÜ, CHIANG AND PAN

**Chemistry I. General Inorganic Chemistry.** This course consists of lectures, recitations and laboratory work, dealing chiefly with the chemistry of the non-metallic elements. In the laboratory the student is carefully guided in the study of the characteristic properties of a number of typical elements and compounds. This is followed by a comparative study of various groups. Each student will analyze a number of unknown substances. In the lectures an effort is made to show the relation of chemistry to industrial progress and every-day life.

Text: Alexander Smith's Chemistry for Colleges.

Two lectures and six hours in the laboratory a week, one term.

**Chemistry II. Qualitative Analysis.** (a) Lectures on modern chemical theories as applied to analysis. (b) A brief survey of the chemistry of the metallic elements. (c) Laboratory work involving the analysis of numerous unknowns for both metal and acid ions.

Text: Stieglitz's Qualitative Analysis. (Basis of lectures.)

Alexander Smith's Chemistry for Colleges.

A. A. Noyes' Qualitative Analysis. (In the laboratory.)

Two lectures and six hours in the laboratory a week, one term.

**Chemistry III. Organic Chemistry.** (a) Lectures and Recitations. (b) Laboratory work in elementary organic preparations and the study of typical compounds.

Chemistry I and II are prerequisites for this course.

Texts: Cohen's Theoretical Organic Chemistry.

Jones Laboratory Outline of Organic Chemistry.

Three lectures and four hours in the laboratory a week, one term.

**Chemistry IV. Industrial Chemistry.** A study of the development and methods of the various modern industries. The greater part of the course will be related to the industries of the city of Soochow.

Chemistry I and II are prerequisites for this course.

Text: Selected.

Time: Five hours a week, one term.

**Chemistry V. Quantitative Analysis.**

Chemistry I and II are prerequisites for this course.

Text: Talbot's Quantitative Analysis.

One lecture and eight hours in the laboratory a week, one term.

**Chemistry VI. and VII. Advanced Quantitative Analysis.** Special Methods in analysis. Students who have taken Chemistry V may, by special arrangement, be allowed to continue their analytical work along various lines.

References for analytical courses; Fresenius, Treadwell and Hall, Morse, Olsen, Blair, Sherman, Weston and others.

**Chemistry VIII. Elementry Applied Chemistry.** This course includes sanitation and the chemistry of foods; analyses of commercial products and an introduction to food analysis.

Chemistry I, II and III are prerequisites for this course.

Texts: Bailey's Sanitary and Applied Chemistry. Sherman's Organic Analysis. Various Bulletins and Journals.

Three lectures and four hours in the laboratory a week, one term.

**Chemistry IX. Physical Chemistry.** (a) Lectures and Recitations. (b) Elementary Physico-chemical Measurements.

Chemistry I, II, V and Physics II and III are prerequisites for this course.

Text: Selected.

Three lectures and four hours in the laboratory a week, one term.

**Chemistry X. Chemical Problems;—Masters' Theses.**

Ten or more hours in the laboratory a week for one term.

Note. The advanced lecture courses in chemistry will be given only when three or more students ask for them.

## EDUCATION

PROFESSOR SHERERTZ

**Education I. History of Education:**

The course aims to give the student perspective. Text to be chosen. Elective.

Five hours a week, one term.

**Education II. Principles of Teaching:**

The course is intended to make the student familiar with the best principles of the most approved educators. Text to be chosen. Elective.

Five hours a week, one term.

**Education III. Practice Teaching and Observation:**

This course presupposes Courses I and II. Problems arising in the classroom will be the basis of class discussion. Library references. Elective.

Five hours a week, one term.

## ENGLISH

PROFESSOR WHITESIDE

**English I. (Junior College I.)**

(a) Composition. Drill in Grouping Ideas, Using Sentences, Choosing Words, and Helping the Eyes. Weekly written exercises corrected and discussed in class.

Text: Practical English for High Schools. (Lewis & Hosis)

(b) The Man without a Country. (Hale)

Five hours a week, one term.

**English II. (Junior College I.)**

(a) Composition. Instruction in the various forms of Correspondence, and in using Narration, Exposition and Argument for practical purposes. Weekly written exercises corrected and discussed in class.

Text: Practical English for High Schools. (Lewis & Hosis)

(b) Literature. Careful reading of Shakespeare's Julius Caesar.

Five hours a week, one term.

**English III. (Junior College II)**

(a) Composition. General Management of Composition, including the Paragraph, the Correct Sentence and the Choice of Words. Weekly written exercises corrected and discussed in class.

Text: Genung & Hanson's Composition and Rhetoric, Part I.

(b) Literature: Selections from standard authors illustrating the most important kinds of prose and verse.

Text: McNeil & Lynch's Introductory Lessons in English Literature.

Five hours a week, one term.

**English IV. (Senior College I)**

(a) Composition and Rhetoric. The Effective Word, the Effective Sentence and the Structure of the Paragraph. Weekly themes written, and discussed in class.

Text: Genung & Hanson's Composition and Rhetoric, Part II.

(b) Literature: Famous English Letters (Young), Shakespeare's As You Like It, and Essays from Macaulay and De Quincey.

Five hours a week, one term.

**English V. (Senior College I)**

(a) Composition and Rhetoric. General Correspondence, and the Four Forms of Discourse. Weekly themes written, and discussed in class.

Text: Genung & Hanson's Composition and Rhetoric, Part III.

(b) Famous English Speeches (Young), Burke's Conciliation with America, Milton's Paradise Lost (I & II), and Ruskin's Sesame and Lilies.

Five hours a week, one term.

Courses I to V are given with the purpose of enabling the student to acquire ability (1) to read and understand modern English, and (2) to express himself clearly and correctly in writing.

**English VI. A Comprehensive survey of English Literature.**

Text: Long's English Literature.

This will be supplemented by reading selections from the most important authors, and by essay writing based on the authors and pieces read.

Five hours a week, one term.

**English VII. The English Drama.**

Lectures on the origin, development and significance of the English drama, and a careful study of Shakespeare's Macbeth, Othello, Hamlet and The Tempest.

Five hours a week, one term.

**English VIII. The English Poets.**

A careful study of some of the best specimens of English Poetry.

Text: Palgrave's Golden Treasury.

This course may be varied from year to year.

Five hours a week, one term.

**English IX. The English Essayists.** A comprehensive study of the origin and growth of the English essay from its feeble beginnings. "to its final triumph as a recognised form of literary art."

Text: The English Familiar Essay (Bryan & Crane).

Five hours a week, one term.

Courses VI to IX are literature courses the object of which is to enable those students who desire to continue their study of English to appreciate the best thoughts of the great English authors.

English V is a prerequisite for these courses.

**GEOLOGY.**

PROFESSOR MOORE

**Geology I: Elements of Geology (Blackwelder and Barrows:)**

In Part I the materials of the earth and their arrangement, together with the processes and agents which affect them, and the changes which these processes and agents are bringing about upon and within the earth, are discussed. In Part II the history of the earth is outlined briefly in the light of the principles developed in the earlier chapters, and the progress of plant and animal life through past ages is sketched.

Five hours a week, one term.

**Geology II. "Elements of Geography" (Blackwelder Barrows, Tower).** An advanced course in Physiographic Geology, devised to meet an ever increasing need among Chinese students who are interested both in Geology and the conservation and utilization of the natural resources of China. One hour will be devoted to laboratory work. Emphasis will be put on certain principles which are thought to be essential preparation for citizenship.

Five hours a week, one term.

## GERMAN.

MRS. CLINE

**German I.** Grammar. Reading of easy prose. Composition and conversation. Sight reading. Thorough drill in the essentials of grammar.

Five hours a week, one term.

**German II.** Selected reading from modern authors. Continuation of the study of grammar and syntax. Dictation, composition, and conversation. Parallel readings.

Five hours a week, one term.

## HISTORY

PROFESSORS NANCE AND MOORE

**History I.** Medieval and Modern Europe.

Text: Robinson's Medieval and Modern Europe.

Five hours a week, one term.

**History II.** History of the United States.

Text: Muzzey's History of the United States.

Five hours a week, one term.

**History III.** History of England and the British Empire.

Text: To be selected.

Five hours a week, one term.

**History IV.** The Development of Modern Europe from the French Revolution to the Great War.

Text: Schapiro's Modern and Contemporary European History.

Five hours a week, one term.

## MATHEMATICS

PROFESSORS SMART, SHIH AND GLENN

**Mathematics I.**

(a) Solid Geometry.

Text: Betz and Wabe

(b) Plane Trigonometry.

Text: Granville or equivalent.

Five hours a week, one term.

**Mathematics II.** Analytic Geometry.

Mathematics I is a prerequisite for this course.

Text: Wentworth.

Five hours a week, one term.

**Mathematics III.** Calculus.

Mathematics I and II are prerequisites for this course.

Text: Granville or equivalent.

Five hours a week, one term.

**Mathematics IV.** Spherical Trigonometry.

Text: Granville or equivalent.

Astronomy.

Text: To be selected.

Mathematics I, II and III are prerequisites for this course.

Five hours a week, one term.

**Mathematics V.** Theory of Equations.

Text: Burnside and Panton, Vol. I.

Differential Equations.

Text: To be selected.

Mathematics I, II and III are prerequisites for this course.

Five hours a week, one term.

## PHILOSOPHY

PROFESSOR NANCE

**Philosophy I.**

(a) Psychology.

(b) Logic.

Five hours a week, one term.

**Philosophy II.** Ethics

Three hours a week, two terms.



## PHYSICS

PROFESSORS JONES AND GLENN AND MESSRS. PAN, HSÜ,  
CHIANG AND PAN

**Physics I.** General Physics. The aim of this course is to give the student a thorough knowledge of the elementary principles of general physics; to study some of the applications of these principles to modern industries and to the phenomena of daily life; and to introduce the student to laboratory methods.

Text: Millikan and Gale.

Two lectures and six hours in the laboratory a week, one term.

**Physics II.** Electricity, Sound and Light. This course consists chiefly of laboratory work. It affords discipline in the methods of science and an opportunity for a more detailed study of the principles of physics.

Physics I is prerequisite for this course.

Text: Millikan and Mill's Electricity, Sound and Light.

References: Parr, Jackson, Hadley, Franklin and MacNutt, Nichols and Franklin, Edser, Clay, Mann, Watts, Thomson, Morse.

Two lectures and six hours in the laboratory a week, one term.

**Physics III.** Mechanics and Heat. The primary object of this course is to establish that immediate and vital connection between theory and experiment which is necessary for a thorough grasp of the principles of mechanics.

Physics II. is prerequisites for this course.

Texts: Millikan's Mechanics, Molecular Physics and Heat, and Mill's Introduction to Thermodynamics or an Introduction to Physical Chemistry.

Two lectures and six hours in the laboratory a week, one term.

**Physics IV.** Elementary Electrical Engineering. A study of the theory and structure of electrical machines; of direct and alternating currents; and of numerous applications of electricity.

Physics II. is a prerequisite for this course.

Text: Timbie and Higbie or its equivalent.

Five hours a week, one term.

## POLITICAL SCIENCE AND POLITICAL ECONOMY.

PRESIDENT CLINE AND . . . . .

**Political Science I.** A general introductory course in the principles of government and the theory of the state. Origins and functions will be studied. Every effort will be made to relate the work to Chinese political conditions.

Text: Holt's Introduction to the Study of Government.

Five hours a week, one term.

**Political Science II.** A study of national ideals and government with special attention to changes wrought by the experiences of the Great War. The text will be supplemented by lectures and readings.

Text: Ogg & Beard's National Government and the Great War

Five hours a week, one term.

**Political Science III.** A study of the principles and development of international law. Political Science I prerequisite.

Text: Lawrence's "The Principles of International Law"

Five hours a week, one term.

**Political Science IV.** A study of municipal organization, administration, and problems. The study is based principally on American conditions, with lectures and readings on European conditions, supplemented by the study of local Chinese conditions.

Text: Munro's Principles and Methods of Municipal Administration.

Five hours a week, one term.

**Political Economy I.** An introductory course in the general field of economics. The work is based on the text book with supplementary lectures and readings, with the reporting of local conditions. After this year this course will be given in Junior College and additional work will be offered in Senior College.

Text: Carver's Principles of Political Economy.

Five hours a week, one term.

## SOCIOLOGY

PROFESSOR CHAO

**Sociology I.** Outlines of Sociology; a general course, intended to acquaint the student with the problems, the data, the method, and the results of this science; also to relate the student to the social phenomena by which he is surrounded.

Text: Hayes' Introduction to the Study of Sociology.  
Five hours a week, one term.

**Sociology II.** Social Control; a study of the agencies that constitute and maintain the social order. Lectures on Chinese institutions and customs are given in connection with this course.

Text: Ross's Social Control  
Five hours a week, one term.

**Sociology III.** Social Economy; a study of the industrial development of society. Parallel reading is required.

Text: Chapin's Historical Introduction to Social Economy.  
Five hours a week, one term.

**Sociology IV.** Social Evolution; a study of the origin and development of different kinds of social organisms. Research work and papers are required. Lectures will be given with special regard to the development of Chinese institutions.

Open to graduates and undergraduates.  
Five a hours week, one term.

## THE LAW DEPARTMENT

THE COMPARATIVE LAW SCHOOL OF CHINA,  
20. QUINSAN ROAD, SHANGHAI

### REQUIREMENTS FOR ENTRANCE AND DEGREE

A graduate of a college of recognized standing, or of a University, may be admitted without examination upon the presentation of his diploma.

A candidate for admission who has completed the Sophomore year in a college of equal standing with Soochow University may be admitted without examination upon the presentation of a satisfactory certificate from the proper school authority.

Other applicants must pass satisfactory examinations showing work done equivalent to the completion of the Sophomore year in College. See courses for Sophomore year of Soochow University.

The candidate for admission must be at least eighteen years of age, and must present satisfactory testimonials of character.

The degree of Bachelor of Laws will be conferred on students who have completed the course of three years and have been recommended by the faculty.

### THE COURSE

The course of study covers a period of three years, each year's work beginning in September and closing the following June, and being divided into terms.

The aim is to give to the student a thorough mastery of the fundamental principles of the world's chief legal systems, an important object being to turn out students who can contribute to the making of a new and better jurisprudence for China.

At present the Anglo-American and the Roman systems, and the Mosaic Code are studied during the first year. It is hoped that at an early date a comprehensive historical study of the ancient Chinese system may be available.

It is also designed through the debating society to give to the students a practical knowledge of the rules of debate and of parliamentary practice; while the moot court will furnish a place for learning the rules and methods of court procedure.

There will be special lectures on selected topics during the year by Mr. Jernigan.

The hours of recitation will be from 4.30 to 7.30 p.m. on all days except Saturdays and Sundays. On Sunday students will be expected to attend church services.

#### THE FACULTY

The faculty is composed in large part of lawyers who are in active practice, and the student thus has the benefit of their practical experience. The University in opening its law department has been especially fortunate in securing the cooperation and assistance of eminent and experienced lawyers of the bar of Shanghai, who, because of their interest in, and desire to help, the young men of China who wish to make lawyers, are willing to give service for which it is impossible to make an adequate financial return.

#### TUITION AND EXPENSES

The tuition for the year, payable in advance, is \$80.00. It may be paid one half at the beginning of each term. Board and lodging, if arranged for at the school, is \$72.00 a year, and one half must be paid in advance at the beginning of each term.

#### ENROLLMENT AND INFORMATION

Those desiring further information, should see or address the Dean at No. 20, Quinsan Road, Shanghai. Those desiring to have entrance examinations should previously arrange with the Dean to have such examination on September 10th to 11th: enrollment and payment of fees may also be attended to on these days. Classes will begin work on September 14th.

### THEOLOGICAL COURSE

IN COOPERATION WITH NANKING THEOLOGICAL SEMINARY

#### Junior Class

	hours
New Testament Greek: Grammar and Reading . . .	6
Old Testament History: Text: Foakes, Jackson or Peritz . . . . .	3
Church History: Text: Nichol's Outlines of . . . . .	3
Comparative Religion . . . . .	2
Christian Ethics: Text: Peabody: Christ and the Social Question . . . . .	2
Psychology of Religion: Text: Starbuck . . . . .	2
Religious Education: Theory and Practice Text: Coe . . . . .	2
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#### Middle Class

New Testament: Life of Christ with exegesis of the Gospels . . . . .	3
Old Testament: The Prophets . . . . .	3
Church History: Great Epochs: Nicene, Reforma- tion, etc. . . . .	3
Theology . . . . .	3
Homiletics and Pastoral Theology . . . . .	3
Apologetics . . . . .	2
Chinese Bible . . . . .	2
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#### Senior Class

New Testament: Apostolic Christianity with exe- gesis of the Epistles . . . . .	3
Old Testament: Psalms, Job, etc. . . . .	3
Church History: Modern History and Missions . . . . .	3
Theology . . . . .	3
Homiletics and Pastoral Theology . . . . .	3
Philosophy of Religion . . . . .	2
Chinese Bible . . . . .	2
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	19

One year of this work may be done at the University as electives for the B.A. degree (in the Senior College.) When the remaining two years are completed at the Seminary the University will confer the degree of Bachelor of Divinity.

THE STATE OF TEXAS,  
COUNTY OF [illegible]  
I, the undersigned, Clerk of the County of [illegible],  
do hereby certify that the within and foregoing  
is a true and correct copy of the [illegible]  
as the same appears from the records of the  
County of [illegible], Texas.

IN WITNESS WHEREOF, I have hereunto set my hand  
and the seal of said County, at the City of [illegible],  
this [illegible] day of [illegible], A.D. 19[illegible].

CLERK OF THE COUNTY OF [illegible], TEXAS.

Notary Public for the State of Texas,  
My Commission Expires [illegible] A.D. 19[illegible].

*Received at UB  
Feb 1969*

SOOCHOW UNIVERSITY

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BULLETIN

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SPRING TERM

1923

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Printed at the Methodist Publishing House, Shanghai

UNIVERSITY HOLIDAYS

## UNIVERSITY CALENDAR

### SPRING TERM, 1923

Entrance Examinations for Spring Term	Feb. 2
Winter Recess begins	Feb. 2
Supplementary Entrance Examinations	Feb. 19
Registration	Feb. 22-24
Classes meet	Feb. 26
University Day	Mar. 16
Arbor Day	Apr. 6
Spring Vacation	Apr. 24-May 1 (inclusive)
Commencement Sunday	June 24
Commencement Day	June 29
Entrance Examinations for Fall Term	July 2

### FALL TERM, 1923

Supplementary Entrance Examinations	Sept. 11—Tues.
Examinations to remove conditions	Sept. 12—Wed.
Registration	Sept. 13, 14, 15 (Thur.-Sat.)
Classes meet	Sept. 17—Mon.
National Holidays	Oct. 10, 11, Wed. Thur.
Christmas Day	Dec. 25—Tues.
New Year's Day	Jan. 1—Tues.
Entrance Examinations	Jan. 29—Tues.
Winter Recess begins	Jan. 29—Tues.

## OFFICERS OF ADMINISTRATION AND INSTRUCTION

### College of Arts and Sciences

W. B. Nance, B.A., D.D., President.  
D. L. Sherertz, M. A., Secretary of the Faculty.  
J. W. Dyson, M. S., Registrar.  
A. C. Jacobson, B.A., Bursar.  
C. Y. Shih, M.A., Proctor.  
P. H. Chien, B.A., Assistant Proctor.  
Sue L. Medlock, English Secretary to the President.  
Y. F. Hsu, Chinese Secretary to the President.  
C. T. Lea, D.D., Chaplain.  
Ruth A. Longden, B.A., Librarian.  
L. V. Tsin, B. S., Assistant Librarian.  
T. L. Chang, B.A., Physical Director.  
C. F. Wang, Assistant Physical Director.  
K. H. Li, M.D., University Physician.  
B. S. Kuan, University Nurse.  
W. F. Liu, B.A., Superintendent of Dormitories.  
Y. T. Tai, Director of the Band.  
S. G. Brinkley, M.A., B.D., Professor of Education.  
T. C. Chao, M.A., B.D., Professor of Sociology and Religion.  
C. Y. Cheng, B. Chem., Eng., Acting Professor of Chemistry.  
C. T. Chu, Professor of Chinese Philosophy.  
D. S. Chu, Professor of Chinese Language.  
Philip S. Y. Chu, M.A., Th. M., Assistant Professor of Political  
Science.  
J. W. Dyson, M.A., Professor of Botany.  
R. S. Hendry, M.A., Professor of History and Economics.  
K. Y. Hsih, Professor of Chinese History.  
C. H. Hsü, B.S., M. A., Associate Professor of Chemistry.  
Mrs. O. Ivanoff, B.A., Instructor in French and German.  
E. V. Jones, M.A., Ph.D., Professor of Chemistry (Absent on  
leave.)  
W. F. Keye, M. S., C. E., Professor of Mathematics and  
Physics.  
M. C. Li, Professor of Chinese Literature.  
S. H. Lowrie, M.A., Ph.D., Professor of English.  
Mrs. S. H. Lowrie, M.A., Assistant Professor of English.  
W. B. Nance, B.A., D.D., Professor of Philosophy.  
Z. M. Pan, B.A., B.S., Associate Professor of Chemistry.  
J. L. Shipley, B.S., Assistant Professor of Mathematics and  
Physics.

Rev. Hollis P. Smith, Instructor in History.  
 Anne Valentine, M.A., Assistant Professor of English.  
 Chenfu F. Wu, M.A., Ph.D., Professor of Biology.  
 H. S. Wu, B.A., Assistant Professor of English.  
 Z. H. Pan, B. S., Instructor in Chemistry.  
 F. W. Shen, B. S., Instructor in Chemistry.  
 T. K. Wang, M.A., Instructor in Biology.  
 Z. S. Yih, B.S., Instructor in Chemistry.  
 P. S. Chen, B.S., Instructor in Physics.

#### Middle School

D. L. Sherertz, M.A., Head Teacher of English.  
 Z. M. Pan, B.A., B.S., Head Teacher of Mathematics and Science.  
 T. S. Yu, B. A., Head Teacher of Chinese.  
 Lillian A. Beck, B.A., English.  
 S. G. Brinkley, M.A., B.D., English and Education.  
 P. S. Chen, B. S., Physics.  
 Z. Y. Chiang, B. A. Chinese.  
 S. K. Chu, Chinese.  
 Mark Edwin Decker, B.A., English and History.  
 Z. W. Lin, Bible.  
 W. F. Liu, B.A., Physiology.  
 H. A. Matsinger, B.S., History.  
 Z. H. Pan, B.S., Mathematics.  
 C. L. Shen, B.A., General Science and Mathematics.  
 F. W. Shen, B. S., Mathematics.  
 Y. P. Sun, B.A., English and Mathematics.  
 Z. P. Sun, Chinese.  
 T. K. Wang, M.A., Biology and Physiology.  
 C. F. Wu, Chinese.  
 H. S. Wu, B.A., English.  
 T. F. Wu, B.A., English and Civics.  
 Z. S. Yih, B. S., Mathematics.  
 T. C. Yuen, Chinese.  
 Z. V. Zia, B.A., Geography and English.

#### FEES

##### COLLEGE DEPARTMENT

1. Tuition ..... \$80 per annum
2. Board, Lodging and Incidentals..... 80 per annum
3. Laboratory :
  - Chemistry I, III, VI ..... \$10 per course
  - Chemistry XII..... 5 per course

Physics III .....	\$5 per course
Botany II, IV and V .....	3 per course
Zoology I .....	3 per course
Biology VI .....	3 per course
Entomology I .....	3 per course
Engineering Drawing .....	3 per course
Forge Shop .....	3 per course
Graphic Statics .....	3 per course

##### MIDDLE SCHOOL DEPARTMENT

1. Tuition ..... \$80 per annum
2. Board, Lodging and Incidentals..... 80 per annum
3. Laboratory :
  - Physics ..... \$ 1 per course
  - Chemistry ..... 2 per course
  - Biology ..... 1 per course

##### MIDDLE SCHOOL PREPARATORY DEPARTMENT

1. Tuition: First year..... \$40 per annum  
 Second year ..... 60 per annum  
 Third year ..... 80 per annum
2. Board, Lodging and Incidentals..... 80 per annum

##### COMMON CHARGES FOR ALL STUDENTS

1. Uniforms (shoes extra) ..... \$17
  2. Library Fee (one year or part)..... 1 per annum
  3. Athletic Fee (one year or part) ..... 3 per annum
  4. Deposit Fee (one year or part) ..... 3 per annum
  5. "New Atlantis" Fee..... 1.50 per annum
- "Dialectic Soochow" Fee..... 1.00 per annum
- Non-boarding students, in addition to the common charges, will pay one half incidental fee..... \$14.00 per annum

All fees are payable at the beginning of the term. A registration fee of \$10 is charged. This amount is deducted from the tuition fee at the time of entering. Should the student fail to come, this amount will not be returned; should the University for any reason decline to receive the student, the registration fee will be returned. A place will not be reserved without the payment of this fee.



## REQUIREMENTS FOR DEGREES

Bachelor of Science

Bachelor of Arts

### JUNIOR COLLEGE

#### FIRST YEAR

<i>Spring Term 1923</i>	<i>hrs.</i>	<i>Spring Term 1923</i>	<i>hrs.</i>
Chinese .....	7	Chinese .....	7
Bible I .....	2	Bible .....	2
English II .....	5	English II .....	5
History I .....	5	History I .....	5
Chemistry I .....	5	Chemistry I .....	5*
Physical Training .....	3	Physical Training .....	3

#### SECOND YEAR

Chinese .....	5	Chinese .....	7
Bible II .....	2	Bible II .....	2
English IV .....	2	English IV .....	5
*Physics III .....	5	*History III .....	5
*Chemistry III .....	5	*Sociology I .....	5
*Zoology I .....	5	*Political Science I .....	5
*Mathematics II .....	5	Physical Training .....	3
Physical Training .....	3		

### SENIOR COLLEGE

#### FIRST YEAR

Chinese .....	5	Chinese .....	7
Bible III .....	2	Bible III .....	2
Philosophy I .....	5	Philosophy I .....	5
English V .....	5	English V .....	5
Elective .....	5	Elective .....	5
Physical Training .....	3	Physical Training .....	3

#### SECOND YEAR

Chinese .....	5	Chinese .....	7
Bible IV .....	2	Bible IV .....	2
Elective .....	5	Elective .....	5
Elective .....	5	Elective .....	5
Elective .....	5	Elective .....	5
Physical Training .....	3	Physical Training .....	3

\*Elect three of the four. Pre-engineering students will take Mathematics II. Premedical and pre-engineering students will take Chemistry III and Physics III.

\*Elect two of the three

### THIRD YEAR

Chinese .....	5	Chinese .....	7
Philosophy III .....	2	Philosophy III .....	2
Elective .....	5	Elective .....	5
Elective .....	5	Elective .....	5
Elective .....	5	Elective .....	5
Physical Training .....	3	Physical Training .....	3

### CHEMICAL ENGINEERING COURSE

#### FIRST YEAR (SENIOR COLLEGE I)

##### *Second Term.*

Chinese .....	4 hrs.
Bible III .....	2 hrs.
Engineering Drawing .....	3 hrs.
Forge Shop .....	2 hrs.
Organic Analysis (Chemistry XII) .....	3 hrs.
Industrial Organic Chemistry (Chemistry IV) .....	3 hrs.
Chemistry VII .....	5 hrs.
Physical Training .....	3 hrs.

#### SECOND YEAR (SENIOR COLLEGE II)

##### *Second Term.*

Chinese .....	4 hrs.
Bible IV .....	2 hrs.
Mechanics (Physics V) .....	5 hrs.
Graphic Statics (Mathematics V) .....	3 hrs.
Organic Analysis (Chemistry XII) .....	3 hrs.
Colloidal Chemistry (Chemistry XIV) .....	3 hrs.
Advanced Lecture Course (Chemistry XVI) .....	3 hrs.
Physical Training .....	3 hrs.

## DESCRIPTION OF COURSES

### BIBLE

**BIBLE I:** Old Testament History. This course lays emphasis on the progressive revelation of the Divine Will in the social, political, ethical and religious achievements of the Hebrews.

Two lectures a week.

**BIBLE II:** New Testament History, comprising the Life of Christ and the Apostolic Age. This will embody a study of the source, dynamics, expansion and fundamental principles of Christianity.

Two lectures a week.

**BIBLE III:** The Bible as Literature. Selections from both Testaments will be studied with special regard to social ideals and religious philosophy as well as the literary value of the Bible.

Two lectures a week.

**BIBLE IV:** The Psychology of Religion.

**NOTE:** Bible Class Work on Sunday is required of all students.

### BIOLOGY

#### BOTANY

**Botany II.** Morphology of the Thallophytes and Bryophytes. This Course will comprise a detailed study of the lower forms, embracing such problems as, the origin of vegetative tissues, the origin and differentiation of sex, alternation of generations, etc.

Two lectures, six laboratory hours a week, one term.  
Prerequisite: Botany I.

Text: Coulter-Barnes-Cowles-Vol. I, Part I.

**Botany IV.** Plant Physiology. A study of the functions and behavior of plants, and their relations to external agents.

Three lectures, four laboratory hours a week, one term.  
Prerequisite: Botany I.

Text: Duggar—Plant Physiology

**Botany V.** Local Flora. This course consists in the study of the characteristics of the various families and genera of plants found around us. An attempt will be made to work out careful lists of local flora. Each student will be required to prepare a specified number of herbarium sheets. Part of the work will be to work out the Chinese equivalents of Latin names of local plants.

One lecture, eight laboratory hours a week, one term.  
Prerequisite: Botany I.

Text: Gray—Manual of Botany

#### ZOOLOGY

**Zoology I.** A detail study of representative animals of each group to show the general course of evolution in the animal kingdom. Local forms will be studied and their structure will be taken as a basis of their classification.

Three lectures, three laboratory hours a week, one term.

Text: Hegner, R. W.—College Zoology.

#### BIOLOGY

**Biology VI.** Fresh Water Biology. A systematic survey of the local aquatic fauna and flora. The fresh waters of our immediate vicinity furnish varied and interesting material for this course and there is a large field for work in this line as very little has been done upon the systematic side.

No lecture, nine laboratory hours a week, one term.

Text: Needham, J. G., and Lloyd, J. T.—Life of Inland Waters.

#### ENTOMOLOGY

**Entomology I.** A detail study of representative insects of each order to show the general course of evolution among the insects. Local forms will be studied and their structure will be taken as the basis of their classification.

Three lectures, three laboratory hours a week  
Prerequisite: Elementary Biology in Middle School

Text: Sanderson and Jackson—Elementary Entomology

### CHEMISTRY

**Chemistry I.** General Inorganic Chemistry. This course consists of lectures, recitations and laboratory work, dealing chiefly with the chemistry of the non-metallic elements. In the

laboratory the student is carefully guided in the study of the characteristic properties of a number of typical elements and compounds. This is followed by a comparative study of various groups. Each student will analyze a number of unknown substances. In the lectures an effort is made to show the relation of chemistry to industrial progress and every-day life.

Text: Alexander Smith's Intermediate Chemistry  
Three lectures and six hours in the laboratory a week.

**Chemistry III.** Organic Chemistry. (a) Lectures and Recitations. (b) Laboratory work in elementary organic preparations and the study of typical compounds.  
Prerequisites: Chemistry I and II.

Text: Cohen's Theoretical Organic Chemistry  
Jones' Laboratory Outline of Organic Chemistry.  
Three lectures and four hours in the laboratory a week.

**Chemistry IV.** Industrial Organic Chemistry. A study of the development and methods of the various modern industries. The greater part of the course will be related to the industries of the city of Soochow.

Prerequisites: Chemistry I and II.

Text: Thorpe—Industrial Chemistry  
Three lectures a week.

**Chemistry VI.** Advanced Quantitative Analysis; Special Methods in analysis.

References for analytical courses; Fresenius, Treadwell and Hall, Morse, Olsen Blair, Sherman, Weston and others.  
One lecture and eight hours in the laboratory a week.

**Chemistry XII.** Organic Analysis. (First and second year Chemical Engineering)

One lecture and four hours in laboratory each week.

**Chemistry XIV.** Colloidal Chemistry. (Second year Chemical Engineering)

Three lectures a week.

**Chemistry XVI.** Advanced Lecture Course in Organic Chemistry. (Second year Chemical Engineering)

Three Lectures a week.

## CHINESE

### JUNIOR COLLEGE

#### First Year

**Literature**—Selections from classics and history. Two lectures a week.  
**History**—Essays on the interpretation of history. Two lectures a week.  
**Psychology and Logic.** Two lectures a week.

#### Second year

**Literature**—Selections from classics and history. Two lectures a week.  
**Principles of Chinese Literature.** Two lectures a week.  
**Principles of Chinese Philosophy.** Two lectures a week.

### SENIOR COLLEGE

#### First Year

**Literature I.** Work of Hon Fang Yu and current literature. Two lectures a week.  
**History of Philosophy I.** Ancient Philosophy. Two lectures a week.  
**History of Literature I.** From Remote Antiquity to the Sui Dynasty. Two lectures a week.

#### Second Year

**Literature II.** Works of Ky Ting Lin and current literature. Two lectures a week.  
**History of Philosophy II.** The Philosophy of China's Middle Ages. Two lectures a week.  
**History of Literature II.** Tang and Sung Dynasties. Two lectures a week.

#### Third Year

**Literature III.** Works of Kung Ting An and current literature. Two lectures a week.  
**History of Philosophy III.** Modern Philosophy. Two lectures a week.  
**History of Literature III.** Liao, Chin, Yuan, Ming, and Ching Dynasties. Two lectures a week.

Note. History of Literature I, II, III are for students taking the B. A. Degree.

Note. The equivalent of one hour per week in Essay Writing is required of all college students.

## ECONOMICS

**Economics IV.** (a) Money and Banking—A course designed to familiarize the student with the history and development of modern media of exchange, the principles which should form the basis for the establishment of a sound currency, the relation of money to economic life, the development of the great modern banking institutions and systems, and the role that banking institutions play in modern financial society. (b) Labor Problems,—this will be a descriptive course, the purpose being to acquaint the student with the many labor problems that have arisen with the development of modern industry and with the steps taken to solve them.

Prerequisite: Economics I.

Text: (a) Scott's "Money and Banking"

(b) No textbook.

Five lectures a week.

**Economics V.** (a) Chinese Economic Problems. The purpose of this course will be to give a practical application of the principles of Economics to the conditions existing in this country.

(b) International Trade. A study of the economic advantages of international trade and of the best methods to secure them.

Prerequisite: Economics I.

Text: (a) To be selected

(b) Brown "International Trade."

Five lectures a week.

## EDUCATION

**Education IV.** Methods of Teaching English, Science and Mathematics. This course is a continuation of Education II. A more detailed study will be made of methods of teaching the above subjects and of materials available. There will be observation of teaching and planning of lessons.

Five lectures a week.

Prerequisite: Education II.

Text: Twiss,—Principles of Science Teaching  
Thorndike,—Psychology of Arithmetic.

**Education V.** Principles of Secondary Education. An advanced course for middle school teachers. A study will be made of the place of the middle school in the educational system, its broader social relationships, and the demands which these make upon questions of curriculum and organization.

Three lectures a week.

Text: Inglis, Principles of Secondary Education.

**Education VI.** Methods of Measuring the Results of Teaching.

A study of the various methods used to determine the results of school work, including a study of standard tests and scales. The Department is making a special study of reading tests in English, and will use this study as illustrative material. Some results of the work being done by the National Association for the Advancement of Education in developing tests will probably be available for the study.

Three lectures a week.

Prerequisite: Any college course in Education.

Text: McCall—How to Measure in Education.

## ENGLISH

**English II.** Continuation of English I. Composition work continued, special attention given to letter writing. In literature Longfellow's "Tales of a Wayside Inn" and Grenfell's "Adrift on an Ice Pan" will be studied. Attention will be given to figures of speech and scansion.

No prerequisite

Text: Lewis and Hosic's Practical English, etc.  
Supplemented by classics.

Five lectures a week.

**English IV.** Continuation of present English III. The composition work will emphasize the construction of the paragraph and unity and coherence in the composition. The new text for the term will be Fields "American and English Literary Readings." A brief resume of the best in American Literature will be given.

No prerequisite

Text: Genung and Hanson, with much work in literature.

**English V.** Continuation of English IV. It aims to present examples of English literary types from various periods and to cultivate literary appreciation.

Prerequisite: English I, II, III, IV.

Text: Stevenson's Travels with a Donkey.  
Coleridge's The Ancient Mariner  
Palgraves' Golden Treasury.

Five lectures a week.

**English X.** Four English Novelists.

Prerequisite: English IV and V.

Five lectures a week.

**English XII.** (Translation). This is an advanced course designed for those who look forward to literary work as a vocation. Lectures will be supplemented by weekly exercises and criticisms. A short treatise will be given to the students to be rendered into Chinese. No text book is used.

Prerequisite: Translation I.

Five lectures a week.

### HISTORY

**History I.** Medieval and Modern Europe.

Text: Robinson's Medieval Times.

Five lectures a week.

**History III.** History of England and the British Empire.

Text: Cheney's A Short History of England.

Five hours a week.

### MATHEMATICS

**Mathematics II.** Functions.

Text: McClenon's Introduction to the Elementary Functions.

Five hours a week.

**Mathematics V.** Graphic Statics.

The graphical solution of problems in mechanics (statics); Center of Gravity; Moment of Inertia; The Solution of Force Polygon; and their application to engineering problems.

Prerequisite: Engineering Drawing

Six hours a week in the Drafting Room.

### APPLIED ARTS

**Engineering Drawing.** Projections and Working Drawings.

Text: French—Engineering Drawing.

Six hours a week in Drafting Room.

**Elementary Forge Practice.** The forging and welding of iron and the forging, welding and tempering of steel.

Text: Harcourt—Elementary Forge Practice.

Four hours a week in the Forge Shop.

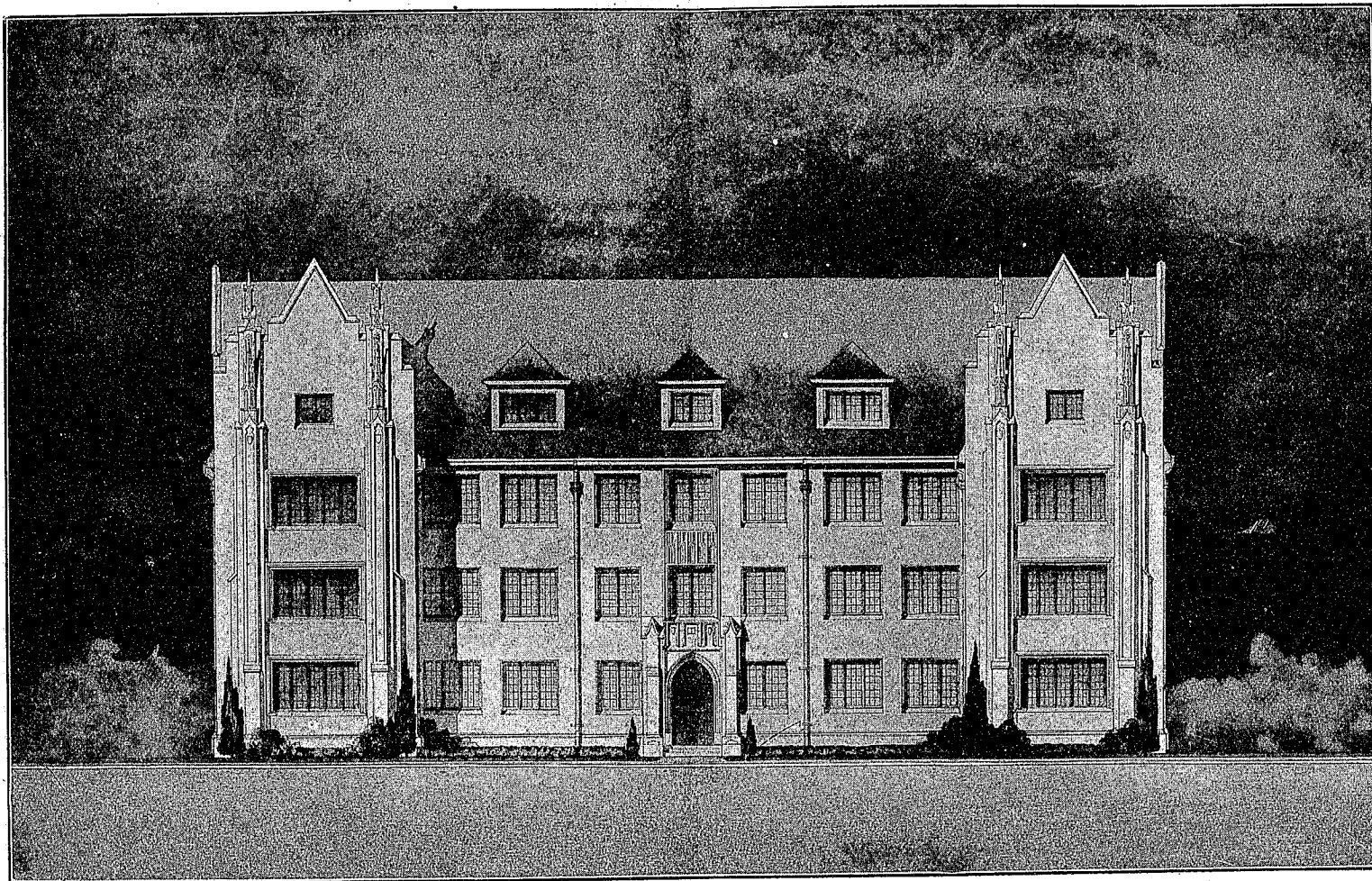
### MODERN LANGUAGES

#### FRENCH

**French I.** Study of the alphabet, reading, translation, oral and written, and elementary grammar.

Five hours a week.

Texts: Sauer—Elementary French Grammar, Method Gaspey. Malaubier and Moore—First Book in French.



SCIENCE HALL (In Process of Construction)

**French II.** Study of elementary rules, reading, translation and easy dictation.

Five hours a week.

Text: Malaubier and Moore—French I

#### GERMAN

**German I.** Not offered this term.

**German II.** Advanced reading, translation, elementary grammar, memory work, dialogues, study of idioms, paraphrasing, conversation through use of special colored pictures,

Five hours a week.

Text: Otto Gaspey—Elementary German Grammar.  
Otto Gaspey—German Dialogues Deutches Lesebuch fur Chinesen.

#### PHILOSOPHY

**Philosophy I.** Psychology. A General Introductory Course.

Text: Angell—An Introduction to Psychology.

Five hours a week.

**Philosophy III.** Ethics, Text-book and Discussions.

Text: Hyde's "Five Great Philosophies of Life"

Two hours a week.

#### PHYSICS

**Physics III.** Mechanics and Heat. The primary object of this course is to establish that immediate and vital connection between theory and experiment which is necessary for a thorough grasp of the principles of mechanics.

Prerequisite Physics II.

Text: Millikan's Mechanics, Molecular Physics and Heat.

Two lectures and six hours in the laboratory a week.

**Physics V.** Engineering Mechanics. The principles of Dynamics and Statics and their application to Engineering problems.

Prerequisite: Physics III.

Text: Boyd's "Mechanics."

Five lectures a week.

#### POLITICAL SCIENCE

**Political Science I.** Introduction to Political Science. An introductory course in the principles, organization and functions of government and the theory of the state. The Chinese government and political conditions will be interpreted in the light of these principles. It is also intended as a preparation for advanced work in Political Science.

Text: Willoughby—The Government of Modern States.  
Five lectures a week.

One of the two following will be offered:

**Political Science II. Municipal Government.** A study of the principles and methods of city government as applied by the people of the Occidental nations. It covers the various municipal activities, such as city planning, streets, water supply, sewerage, police administration, public education, public recreation, municipal organization, municipal finance. Along with the study of the general principles, a study of the Shanghai municipal government and an investigation into the Soochow city problems will be made by the class.

Text: Munro—Principles and Methods of Administration.  
Five lectures a week.

**Political Science III. Comparative Government.** This course deals with not only the mechanism of modern national and state governments, but also the meaning of democracy as has been understood and worked out by the governments of the world. A larger emphasis will be laid on the governments of the British Empire, United States and France. China's problem of working out a democratic government will be constantly touched upon. The text will be supplemented by lectures, discussions and reports.

Prerequisite:—Political Science I

Text: Bryce—Modern Democracies (2 volumes)  
Five lectures a week.

### SOCIOLOGY

**Sociology 1.** Outlines of Sociology; a general course, intended to acquaint the student with the problems, the data, the method, and the results of this science; also to relate the student to the social phenomena by which he is surrounded.  
Text: Hayes' Introduction to the Study of Sociology.  
Five lectures a week.

**Sociology II. Social Control;** a study of the agencies that constitute and maintain the social order. Lectures on Chinese institutions and customs are given in connection with this course.

Prerequisite: Sociology I

Text: Ross's Social Control.  
Five lectures a week.

#### SPRING TERM 1923 Requirements for Senior College III

Day Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Day Hour
7:45-8:45							7:45-8:45
8:45-9:45						Philosophy III W. B. Nance	8:45-9:45
9:45-10:45							9:45-10:45
10:45-11:54			Philosophy III W. B. Nance				10:45-11:45
1-2							1-2
2-3							2-3
3-4							3-4

#### Requirements for Senior College II

Day Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Day Hour
7:45-8:45	Physics V W. F. Keye	Chemistry XII G. Y. Cheng		Chemistry XVI G. Y. Cheng		Chemistry XVI G. Y. Cheng	7:45-8:45
8:45-9:45	Chemistry XVI G. Y. Cheng	Physics V W. F. Keye	Physics V W. F. Keye	Physics V W. F. Keye	Physics V W. F. Keye	Bible IV I. C. Chao	8:45-9:45
9:45-10:45	Chemistry XIV G. Y. Cheng		Chemistry XIV G. Y. Cheng		Chemistry XIV G. Y. Cheng		9:45-10:45
10:45-11:45			Bible IV T. C. Chao				10:45-11:45
1-2	Mathematics V Lab	Chemistry XII Lab	Mathematics V Lab	Chemistry XII Lab	Mathematics V Lab		1-2
2-3	Mathematics V Lab W. F. Keye	Chemistry XII Lab G. Y. Cheng	Mathematics V Lab W. F. Keye	Chemistry XII Lab G. Y. Cheng	Mathematics V Lab W. F. Keye		2-3
3-4							3-4



Requirements for Senior College I

Day Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Day Hour
7:45-8:45	Philosophy I W. B. Nance Chemistry IV G. Y. Cheng	Philosophy I W. B. Nance Chemistry XII Lab. G. Y. Cheng	Philosophy I W. B. Nance Chemistry IV G. Y. Cheng	Philosophy I W. B. Nance	Philosophy I W. B. Nance Chemistry IV G. Y. Cheng	Bible III T. C. Chao	7:45-8:45
8:45-9:45	Chemistry VI Lab.	Chemistry VI Lab.	Chemistry VI Lab.	Chemistry VI C. H. Hsu	Chemistry VI Lab. Chemistry VI Lab. English V A. E. Valentine	Forge Shop W. F. Keye English V A. E. Valentine	8:45-9:45
9:45-10:45	Chemistry VI Lab. C. H. Hsu English V A. E. Valentine	Chemistry VI Lab. C. H. Hsu English V A. E. Valentine	Chemistry VI Lab. C. H. Hsu English V A. E. Valentine	Bible III T. C. Chao	Chemistry VI Lab. C. H. Hsu English V A. E. Valentine	Forge Shop	9:45-10:45
10:45-11:45						Forge Shop	10:45-11:45
1-2							1-2
2-3	Engineering Draw.	Chemistry XII Lab.	Engineering Draw.	Chemistry XII Lab.	Engineering Draw.		2-3
3-4	Engineering Draw. W. F. Keye	Chemistry XII Lab. G. Y. Cheng	Engineering Draw. W. F. Keye	Chemistry XII Lab. G. Y. Cheng	Engineering Draw W. F. Keye		3-4

Requirements for Junior College II

Day Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Day Hour
7:45-8:45	English III (Arts) S. H. Lowrie Entomology I C. F. Wu	English III (Arts) S. H. Lowrie	English III (Arts) S. H. Lowrie Mathematics II W. F. Keye	English III (Arts) S. H. Lowrie	English III (Arts) S. H. Lowrie	Physics III Lab. J. L. Shipley Botany II Lab. J. W. Dyson Zoology I Lab. C. F. Wu	7:45-8:45
8:45-9:45	Sociology I T. C. Chao Physics III J. L. Shipley Botany II J. W. Dyson	Sociology I T. C. Chao Chemistry III G. Y. Cheng Botany IV J. W. Dyson	Sociology I T. C. Chao Physics III J. L. Shipley Botany II J. W. Dyson	Sociology I T. C. Chao Chemistry III G. Y. Cheng Botany IV J. W. Dyson	Sociology I T. C. Chao Chemistry III G. Y. Cheng Botany IV J. W. Dyson	Physics III Lab. Botany II Lab. Zoology I Lab.	8:45-9:45
9:45-10:45	Mathematics II W. F. Keye Zoology I C. F. Wu	Mathematics II W. F. Keye Entomology I C. F. Wu	Bible II T. C. Chao	Mathematics II W. F. Keye Entomology I C. F. Wu	Mathematics II W. F. Keye Zoology I C. F. Wu	Zoology I Lab. C. F. Wu	9:45-10:45
10:45-11:45						Bible II T. C. Chao	10:45-11:45
1-2	English III (Science) Mrs. Lowrie			English III (Science) Mrs. Lowrie	Entomology I Lab. C. F. Wu		1-2
2-3	Political Science I P. Chu Chemistry III Lab. G. Y. Cheng Botany IV Lab. J. W. Dyson	Political Science I P. Chu Physics III Lab. J. L. Shipley Botany II Lab. J. W. Dyson	Political Science I P. Chu Chemistry III Lab. G. Y. Cheng Botany IV Lab. J. W. Dyson	Political Science I P. Chu Physics III Lab. J. L. Shipley Botany II Lab. J. W. Dyson	Political Science I P. Chu Entomology I Lab.		2-3
3-4	History III P. Chu Chemistry III Lab. Botany IV Lab.	History III P. Chu Physics III Lab. Botany II Lab.	History III P. Chu Chemistry III Lab. Botany IV Lab.	History III P. Chu Physics III Lab. Botany II Lab.	History III P. Chu Entomology I Lab.		3-4

Requirements for Junior Colleges I

Day Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Day Hour
7:15-8:45	History I (B) English II (A) Mrs. Lowrie	History I (B) English II (A) Mrs. Lowrie	History I (B) English II (A) Mrs. Lowrie	History I (B) English II (A) Mrs. Lowrie	History I (B) English II (A) Mrs. Lowrie		7:15-8:45
8:45-9:45	History I (A) R. S. Hendry English II (B) A. E. Valentine	History I (A) R. S. Hendry English II (B) A. E. Valentine	History I (A) R. S. Hendry English II (B) A. E. Valentine	History I (A) R. S. Hendry English II (B) A. E. Valentine	History I (A) R. S. Hendry English II (B) A. E. Valentine	Chemistry I (A) J. M. Pan	8:45-9:45
9:45-10:45	Bible I (A) P. Chu Chemistry I (B) J. M. Pan	Bible I (B) P. Chu Chemistry I (A) J. M. Pan	Bible I (A) P. Chu Chemistry I (B) J. M. Pan	Bible I (B) P. Chu Chemistry I (A) J. M. Pan	Chemistry I (B) J. M. Pan		9:45-10:45
10:45-11:45							10:45-11:45
1-2	Chemistry I Lab. J. M. Pan	Chemistry I Lab. J. M. Pan	Chemistry I Lab. J. M. Pan	Chemistry I Lab. J. M. Pan			1-2
2-3	Chemistry I Lab.	Chemistry I Lab.	Chemistry I Lab.	Chemistry I Lab.			2-3
3-4	Chemistry I Lab.	Chemistry I Lab.	Chemistry I Lab.	Chemistry I Lab.			3-4

Senior College Electives

Day Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Day Hour
7:15-8:45	Economics IV R. S. Hendry Political Science P. Chu Physics V W. F. Keye Sociology II T. C. Chao Entomology I C. F. Wu	Economics IV R. S. Hendry Political Science P. Chu Sociology II T. C. Chao Mathematics II W. F. Keye	Economics IV R. S. Hendry Political Science P. Chu Sociology II T. C. Chao Mathematics II W. F. Keye	Economics IV R. S. Hendry Political Science P. Chu Sociology II T. C. Chao	Economics IV R. S. Hendry Political Science P. Chu Sociology II T. C. Chao	Botany II Lab. J. W. Dyson	7:15-8:45
8:45-9:45	Translation II H. S. Wu Botany II J. W. Dyson	Translation II H. S. Wu Botany IV J. W. Dyson Physics V W. F. Keye	Translations II H. S. Wu Botany II J. W. Dyson Physics V W. F. Keye	Translation II H. S. Wu Botany IV J. W. Dyson Physics V W. F. Keye	Translation II H. S. Wu Botany II J. W. Dyson Physics V W. F. Keye	Botany II Lab. Forge Shop. W. F. Keye	8:45-9:45
9:45-10:45	Education IV S. G. Brinkley Economics V R. S. Hendry German II Mrs. Ivanoff Mathematics II W. F. Keye	Education IV S. G. Brinkley Economics V R. S. Hendry German II Mrs. Ivanoff Mathematics II W. F. Keye Entomology I C. F. Wu	Education IV S. G. Brinkley Economics V R. S. Hendry German II Mrs. Ivanoff Mathematics II W. F. Keye Entomology I C. F. Wu	Education IV S. G. Brinkley Economics V R. S. Hendry German II Mrs. Ivanoff Mathematics II W. F. Keye Entomology I C. F. Wu	Education IV S. G. Brinkley Economics V R. S. Hendry German II Mrs. Ivanoff Mathematics II W. F. Keye	Forge Shop. Botany V Lab. J. W. Dyson	9:45-10:45

Senior College Electives (continued)

Day Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Day Hour
10:45-11:45							10:45-11:45
1-2	French II Mrs. Ivanoff Biology VI Lab. C. F. Wu	French II Mrs. Ivanoff	French II Mrs. Ivanoff Biology VI Lab. C. F. Wu	French II Mrs. Ivanoff Biology VI Lab. C. F. Wu	French II Mrs. Ivanoff Entomology I Lab. C. F. Wu	Forge Shop Botany V Lab.	1-2
2-3	Political Science I P. Chu French I Mrs. Ivanoff English X A. E. Valentine Botany IV Lab. J. W. Dyson Botany V Lab. J. W. Dyson Engineering Draw. Biology VI Lab.	Political Science I P. Chu French I Mrs. Ivanoff English X A. E. Valentine Botany II Lab. J. W. Dyson	Political Science I P. Chu French I Mrs. Ivanoff English X A. E. Valentine Botany IV Lab. J. W. Dyson Botany V Lab. J. W. Dyson Engineering Draw. Biology VI Lab.	Political Science I P. Chu French I Mrs. Ivanoff English X A. E. Valentine Botany II Lab. J. W. Dyson Biology VI Lab.	Political Science I P. Chu French I Mrs. Iva. off English X A. E. Valentine Botany V Lab. J. W. Dyson Engineering Draw. Entomology I Lab.		2-3
3-4	Education VI S. G. Brinkley Botany V Lab. Engineering Draw. W. F. Keye Biology VI Lab.	Education VI S. G. Brinkley Botany II Lab.	Education VI S. A. Brinkley Botany IV Lab. Botany V Lab. Engineering Draw. W. F. Keye Biology VI Lab.	Education VI S. G. Brinkley Botany II Lab. Biology VI Lab.	Education VI S. G. Brinkley Botany V Lab. Engineering Draw. W. F. Keye		3-4

MIDDLE SCHOOL COURSES

First Year

BIBLE:—Two hours a week  
 CHINESE:—Language and Literature Seven hours a week  
 ENGLISH:—Eight hours a week  
 HISTORY:—(Chinese) Two hours a week  
 ARITHMETIC:—Five hours a week  
 PHYSIOLOGY AND HYGIENE OR GEOGRAPHY:—Five hours a week  
 PHYSICAL TRAINING:—Three hours a week  
 TOTAL:—Thirty-two hours a week

Second Year

BIBLE:—Two hours a week  
 CHINESE:—Language and Literature eight hours a week  
 ENGLISH:—Eight hours a week  
 HISTORY:—(Chinese) Two hours a week  
 GENERAL MATHEMATICS:—Five hours a week  
 GENERAL SCIENCE:—Four hours a week  
 PHYSICAL TRAINING:—Three hours a week

TOTAL:—Thirty-two hours a week

Third Year

BIBLE:—Two hours a week  
 CHINESE:—Language and Literature eight hours a week  
 ENGLISH:—Eight hours a week  
 GENERAL MATHEMATICS:—Four hours a week  
 ELEMENTARY CHEMISTRY:—Five hours a week  
 PHYSICAL TRAINING:—Three hours a week

TOTAL:—Thirty-two hours a week

Fourth Year

BIBLE:—Two hours a week  
 CHINESE:—Language and Literature seven hours a week  
 ETHICS:—One hour a week  
 ENGLISH:—Five hours a week  
 HISTORY:—(European) Three hours a week  
 COMMUNITY CIVICS:—Three hours a week  
 GEOMETRY:—Four hours a week  
 ELEMENTARY BIOLOGY:—Three hours a week  
 PHYSICAL TRAINING:—Three hours a week

TOTAL:—Thirty-one hours a week

Fourth Year Schedule—Spring Term 1923

DAY Hour	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
7:45—8:45	A . . . . . B Civics T. F. Wu	A Civics T. F. Wu B Biology T. K. Wang	A Bible Ling B Civics T. F. Wu	A Civics T. F. Wu B Biology T. K. Wang	A Bible Ling B Civics T. F. Wu	A History A E. Valentine B Biology T. K. Wang
8:45—9:45	A Math. Z. H. Pan B Math. Y. P. Sun	A Math. Z. H. Pan B Math. Y. P. Sun	A . . . . . B . . . . .	A Math. Z. H. Pan B Math. Y. P. Sun	A Math. Z. H. Pan B Math. Y. P. Sun	A Civics T. F. Wu B . . . . .
9:45—10:45	A English E. M. Decker B History S. H. Lowrie	A English E. M. Decker B Bible Ling	A English E. M. Decker B History S. H. Lowrie	A English E. M. Decker B Bible Ling	A English E. M. Decker B History S. H. Lowrie	
10:45—11:45	A Biology T. K. Wang B English Miss Beck	A History A. E. Valentine B English Miss Beck	A Biology T. K. Wang B English Miss Beck	A History A. E. Valentine B English Miss Beck	A Biology T. K. Wang B English Miss Beck	

Afternoon: Chinese

Third Year Schedule—Spring Term 1923

DAY Hour	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
7:45—8:45	A Science P. S. Zung B Reading S. G. Brinkley C Reading S. G. Brinkley	A Science P. S. Zung B Reading S. G. Brinkley C Reading S. G. Brinkley	A Science P. S. Zung B Reading S. G. Brinkley C Reading S. G. Brinkley	A Science P. S. Zung B Reading S. G. Brinkley C Reading S. G. Brinkley	A Science P. S. Zung B . . . . . C . . . . .	
8:45—9:45	A Math. F. V. Shen B Math. C. L. Shen C Bible, Ling	A Math. F. V. Shen B Bible, Ling C Eng. Lang. S. G. Brinkley	A Math. F. V. Shen B Math. C. L. Shen C Eng. Lang. S. G. Brinkley	A Math. F. V. Shen B Math. C. L. Shen C Eng. Lang. S. G. Brinkley	A Bible, Ling B Math. C. L. Shen C Eng. Lang. S. G. Brinkley	
9:45—10:45	A Eng. Lang. H. S. Wu B Science P. S. Zung C Math. Y. P. Sun	A Eng. Lang. H. S. Wu B Science P. S. Zung C Math. Y. P. Sun	A Bible, Ling B Science P. S. Zung C Math. Y. P. Sun	A Eng. Lang. H. S. Wu B Science P. S. Zung C Math. Y. P. Sun	A Eng. Lang. H. S. Wu B Science P. S. Zung C Bible, Ling	
10:45—11:45	A Reading Miss Longden B Eng. Lang. T. F. Wu C Science P. S. Zung	A Reading Miss Longden B Eng. Lang. T. F. Wu C Science P. S. Zung	A Reading Miss Longden B Bible, Ling C Science P. S. Zung	A Reading Miss Longden B Eng. Lang. T. F. Wu C Science P. S. Zung	A . . . . . B Eng. Lang. T. F. Wu C Science P. S. Zung	

Afternoon: Chinese

**Second Year Schedule—Spring Term 1923**

DAY HOUR	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
7:45 to 8:45	A Bible, Ling B Bible, Ling C Math., Z. C. Yih D Reading, Miss Beck	A Reading, Y. P. Sun B Science C Math., Z. C. Yih D Reading, Miss Beck	A Reading, Y. P. Sun B Science C Math., Z. C. Yih D . . . . .	A Reading, Y. P. Sun B Science C Math., Z. C. Yih D Reading, Miss Beck	A Reading, Y. P. Sun B Science C Math., Z. C. Yih D Reading, Miss Beck	
8:45 to 9:45	A Science, Z. M. Pan B Reading, E. M. Decker C Lang, T. F. Wu D Lang, Miss Beck	A Science, Z. M. Pan B Reading, E. M. Decker C Lang, T. F. Wu D Lang, Miss Beck	A Bible, Ling B Bible, Ling C Lang, T. F. Wu D Lang, Miss Beck	A Science, Z. M. Pan B Reading, E. M. Decker C Bible, Ling D Bible, Ling	A Science, Z. M. Pan B Reading, E. M. Decker C Lang, T. F. Wu D Lang, Miss Beck	
9:45 to 10:45	A Lang., Z. V. Zia B Math., Z. H. Pan C Bible, Ling D Bible, Ling	A Lang., Z. V. Zia B Math., Z. H. Pan C Reading, T. F. Wu D Science, C. L. Shen	A . . . . . B Math., Z. H. Pan C Reading, T. F. Wu D Science, C. L. Shen	A Lang., Z. V. Zia B Math., Z. H. Pan C Reading, T. F. Wu D Science, C. L. Shen	A Lang., Z. V. Zia B Math., Z. H. Pan C Reading, T. F. Wu D Science, C. L. Shen	
10:15 to 11:15	A Math., Y. P. Sun B Lang, E. M. Decker C Science, Z. M. Pan D Math., Z. C. Yih	A Math., Y. P. Sun B Lang, E. M. Decker C Science, Z. M. Pan D Math., Z. C. Yih	A Math., Y. P. Sun B . . . . . C Science, Z. M. Pan D Math., Z. C. Yih	A Math., Y. P. Sun B Lang, E. M. Decker C Science, Z. M. Pan D Math., Z. C. Yih	A Math., Y. P. Sun B Lang, E. M. Decker C . . . . . D Math., Z. C. Yih	

Afternoon: Chinese

**First Year Schedule—Spring Term 1923**

DAY HOUR	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
7:45 to 8:45	A Math., F. W. Shen B Geography, W. F. Liu C Lang., H. S. Wu D Lang., D. L. Sherertz	A Math., F. W. Shen B Geography, W. F. Liu C Bible, Ling D Bible, Ling	A Math., F. W. Shen B Geography, W. F. Liu C Lang., H. S. Wu D Lang., D. L. Sherertz	A Math., F. W. Shen B Geography, W. F. Liu C Lang., H. S. Wu D Lang., D. L. Sherertz	A Math., F. W. Shen B Geography, W. F. Liu C Lang., H. S. Wu D Lang., D. L. Sherertz	A Bible, Ling A Bible, Ling C . . . . . D . . . . .
						A . . . . . B . . . . . B Bible, Ling D Bible, Ling

First Year Schedule—Spring Term 1923

DAY Hour	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1:00 P.M. to 2:00	A Geography W. F. Liu B Math. Z. S. Yih C Physiology T. K. Wang D Math. C. L. Shen	A Geography W. F. Liu B Math. Z. S. Yih C Physiology T. K. Wang D Math. C. L. Shen	A Geography W. F. Liu B Math. Z. S. Yih C Physiology T. K. Wang D Math. C. L. Shen	A Geography W. F. Liu B Math. Z. S. Yih C Physiology T. K. Wang D Math. C. L. Shen	A Geography W. F. Liu B Math. Z. S. Yih C Physiology T. K. Wang D Math. C. L. Shen	
2:00 to 3:00	A Lang. E. M. Decker B Lang. Miss Beck D Reading H. S. Wu C Physiology Z. V. Zia	A Lang. E. M. Decker B Lang. Miss Beck C Reading H. S. Wu D Physiology Z. V. Zia	A Bible Ling B Bible Ling C Reading H. S. Wu D Physiology Z. V. Zia	A Lang. E. M. Decker B Lang. Miss Beck C Reading H. S. Wu D Physiology Z. V. Zia	A Lang. E. M. Decker B Lang. Miss Beck C . . . . . D Physiology Z. V. Zia	
3:00 to 4:00	A Reading E. M. Decker B Reading Miss Beck C Math. C. L. Shen D Reading D. L. Sherertz	A Reading E. M. Decker B Reading Miss Beck C Math. C. L. Shen D Reading D. L. Sherertz	A . . . . . B . . . . . C Math. C. L. Shen D Reading D. L. Sherertz	A Reading E. M. Decker B Reading Miss Beck C Math. C. L. Shen D Reading D. L. Sherertz	A Reading E. M. Decker B Reading Miss Beck C Math. C. L. Shen D Reading D. L. Sherertz	

