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燕京大學
YENCHING UNIVERSITY
BULLETIN

Graduate Announcement
1927=28

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Volume X—Number 50
Peking, China
May, 1927

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YINCHING UNIVERSITY

YINCHING UNIVERSITY

BULLETIN

GRADUATE STUDIES

OFFICERS OF GRADUATE ADMINISTRATION

- J. Leighton Stuart, B.D., D.D. President of the University
Mrs. M.S. Frame, B.D., Litt. D. Dean, College of Arts and Science for Women
William Hung, M.A., S.T.B. Dean, College of Arts and Science for Men
T. H. Ch'en, Ph. D. Associate Dean, College of Arts and Science for Men
J. F. Li, M.A., Ph. D. Dean, School of Religion

Committee on Graduate Studies

- Shuhsi Hsü, Ph. D. Chairman
K. L. Chen, M. A. Secretary
Miss Alice M. Boring, Ph. D.
L. C. Porter, B.D., M.A., D.D., L.H.D.
Philip de Vargas, Ph. D.
Miss Sui Wang, Ph. D.

Heads of Departments

- Miss Alice M. Boring, Ph. D.
(acting) Biology
S. D. Wilson, Ph. D. Chemistry
J. B. Taylor, M. S. Economics
William Hung, M. A., S. T. B. History
P. A. Anderson, Ph. D. Physics
Shuhsi Hsü, Ph. D. Political Science
Leonard S. Hsü, Ph. D. (acting) Sociology

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GENERAL STATEMENT

Yenching University is prepared to undertake the supervision of graduate studies on certain lines leading to the degrees of Master of Arts and Master of Science. For the academic year of 1927-28 these lines, given in alphabetic order, are as follows:

Biology Chemistry Economics History
 Physics Political Science Sociology

As no regular graduate school has been organized, students pursuing graduate studies in the University are subject to two authorities: to the deans of the Colleges of Arts and Science and the School of Religion in matters relating to welfare, and to a University standing committee known as Committee on Graduate Studies in matters relating to admission, supervision of study, and graduation.

At present the University has enough equipment for certain lines of advanced work in Biology, Chemistry and Physics. It has also begun to build up a library for the use of research in Economics, History, Political Science and Sociology. Before the task is accomplished, students of the social sciences may avail themselves of the facilities offered by a number of libraries in the city.

As to fees an idea may be gathered from the following schedule:

	Per Semester	Per Session
Tuition (per credit)		3
Board	35	70
Dormitory room, light, heat and water	20	40
Dormitory key deposit		1
Dormitory reservation deposit		5
Natural Science fees:		
Biology courses	5	10
Chemistry courses	5	10
Chemistry breakage deposit	5	10
Physics courses	5	10
Medical fee	1	2
Athletic fee	1	2
Incidental fee	1	2
Matriculation fee for graduate student		5
Graduate fee (Master's degree):		
paper		5
parchment		7

Admission

Any one who wishes to become a graduate student in Yenching University should write to the Secretary of the Committee on Graduate Studies for an application form, have it filled out as directed therein, and

mail it back to the same officer together with all relevant matters on or before the date set in the University Calender below. From the Secretary the applicant will, after his case has been passed upon by the Committee on Graduate Studies, hear whether he is admitted.

For admission, an applicant must have an undergraduate record equivalent to the degree of Bachelor of Arts or Science of Yenching University; sufficient preparation in the chosen field of study; an ability to express himself correctly and clearly in written Chinese; and a command of both spoken and written English adequate for the demand of the course of study to be pursued. In addition, he must be a student of more than average intelligence. This requirement is ordinarily met by the applicant's presenting a certificate of undergraduate record which has the merit-point credit to the value of 1.30 in the Yenching standard. Consideration will, of course, be given to an applicant whose failure to maintain the required undergraduate standing is due not to low intelligence, but to some accidental cause, for instance, sickness. Exception may also be made in favor of an applicant who is exceptionally promising in the line he proposes to pursue as a graduate student, and whose standing though below the set mark of 1.30 is not too far removed from it. In both cases, however, a letter of testimony or recommendation from proper authorities is necessary.

Registration

Having received the notification of admission the student may proceed to the University on the day set for the purpose in the University Calender to register in one of the Colleges of Arts and Science or in the School of Religion, bringing with him as evidence of admission the latter from the Secretary of the Committee on Graduate Studies.

At the Registrar's office the student will apply for a Student's Information Card, fill it out, and exchange it for a Classification Card, a Work Book and three schedule cards. On the Classification Card the record number of the student and the correct romanization of the name of the student will be indicated by the office.

Then the student will interview the University Physician, if it is so indicated on his Classification Card; otherwise, he will go directly to the Head of the Department in which he has chosen to major, and consult with him on the selection of courses of study. Be sure to bring along the Work Book and Schedule Cards besides the Classification Card for entries to be made by the department officer.

The student will next pay his fees at the Treasurer's office and have his Classification Card stamped as evidence for the payment, and finally surrender this card together with his Work Book and one of the Schedule Cards to the Dean of the institution in which the student registers, who will sign the Work Book and return it to the student but keep the rest of the papers.

For late registration or failure to complete registration by the time indicated in the University Calender, a fine will be imposed. No students,

old or new, may be permitted to register, if he arrives more than three weeks latter than the first day of class work.

Students are allowed to change courses only before or on the date set in the Calender. To effect a change the student must present to the Dean a written permission both from the Head of the Department in which he majors and from the instructor of the new course he will elect. Under exceptional circumstances a change may be permitted before the expiration of three weeks from the beginning of class work, though after the date set in the Calender. In this case, however, a fine may be imposed.

Graduation

In order to graduate with the degree of Master of Arts or Master of Science a candidate is required to have the minimum of one year's residence in the University; 18 credits of university courses listed below; and a thesis of at least 5000 words representing individual investigation and equivalent to a 6-credit graduate course of study. In addition, the condidate must show in his special studies and thesis:

- (a) ability to express himself clearly and forcibly,
- (b) general knowledge of the whole field of studies within which his special subject is found,
- (c) mastery of the methods of investigation required for his major subject, and
- (d) evidence of capacity for individual search for material to be studied, original thinking and scientific judgement.

For determining the foregoing points a canddiate are required to pass the following examinations in addition to such as are given in graduate course which he may have elected:

- (a) Such written examinations in the whole field of the candidate's special interest as may be required by the Department in which his major subject is taken;
- (b) An oral examination upon the candidate's thesis by a committee specially appointed for the purpose.

The Master degree in conferred upon the candidate whenever he meets all requirements. Should he desire to receive it as the regular Commencement in June, he should submit his thesis in proper form to the Chairman of the Committee on Graduate Studies on or before the first of May. In order that he may be able to comply with this rule, he is advised to have his essay ready for his major professor in the draft form at least one month earlier.

COURSES OF STUDY

In the following pages only courses of department that are prepared to undertake the supervision of graduate studies leading to the Master's degree are given. Graduate students who wish to elct courses offered by other departments or the Schol of Religion are referred to the "Annoucnment of Courses," Bulletin, Vol. X, No. 21.

DEPARTMENT OF BIOLOGY

Miss Alice M. Poring, Ph. D. *Professor and Acting Head*
 Francis C. F. Wu, Ph. D. *Associate Professor*
 S. C. Li, Ph. D. *Assistant Professor*
 Paul K. Y. Lu, B. A. *Instructor*

If any student is lacking in any of the more elementary courses in biology or other sciences he may be required to take these without credit toward the M.S. The Master's thesis may be prepared under the direction of any member of the department in whose field the student decides to work. The department maintains two Graduate Assistantships whose holders study half time and spend the other half in teaching or other departmental work. Following are the courses offered by the department. Other ccuuses may be offered if the need arises for such in planning the work of any particular student for his M.S.

Biology 101+102	Journal Club	Credits 1+1
In this course faculty and students will give reports on articles in current biological journals. Elective: 3, 4, 5. Prerequisite: 2 years of Biology		
Biology 103+104	Microscopic Technique	Credits 2+2
Principles and practice in making microscopic preparations. Each student will work on a simple problem. Every student majoring in Biology must register for Biology 103+104, or Biology 105+106. Six laboratory hours. Elective: 3, 4, 5. Prerequisite: 2 years of Biology		
Biology 105+106	Biological Problems	Credits 2+2
Every senior student is expected to show his ability to work out a simple independent problem. Therefore, every student majoring in Biology must register for Biology 103+104, or Biology 105+106. These problems may differ in nature and will be supervised by the member of the faculty best trained in each special line. Elective: 3, 4, 5. Prerequisite: 2 years of Biology		
		Biology staff

Biology 107-108 **Advanced Botany** Credits 4-4

This course is planned to follow the general botany in the General Biology course. It will consist partly of the study of the structure and function of the plant body and partly of classification of plants. The department has a good herbarium of Chinese plants for use in the classification work 2 lectures and 2 laboratory hours.

Elective: 3, 4, 5.
Prerequisite: Biol. 1-2.
Lectures: MW, 8.00.
Laboratory: MW, 9.30-12.30.

Mr. Lu

*Biology 109, 110 **Histology** Credits 3, 3

A general study of animal cells and tissues and some typical organs. The work of the second semester is especially designed for students in Leather Tanning and includes practice in making microscopic preparations in order to make a comparative study of different skins during the tanning process. One lecture and six laboratory hours.

Elective: 3, 4, 5.
Prerequisite: Biol. 1-2; in addition Chem. 3-4 is prerequisite to Biol. 110.

*Biology 111, 112 **Bacteriology** Credits 3, 3

A general study of the action of bacteria, yeasts and molds, with emphasis on cultural and staining methods. The second semester of the work includes special problems especially for students in Leather Tanning. One lecture, six laboratory hours.

Elective: 3, 4, 5.
Prerequisite: Biol. 1-2; Chem. 3-4.

Biology 113 **Embryology** Credits 3

A study of general and experimental embryology, dealing with problems of maturation, fertilization, cleavage, germ layer formation and beginning of organ formation. Two lectures and three laboratory hours.

Elective: 3, 4, 5.
Prerequisite: Biology 1-2, 3, 4.
Lecture: T Th 10:30 in B 206
Laboratory: F 1:30-4:30

Mr. Li

Biology 114 **Genetics** Credits 3

A critical study of modern theories of variation and inheritance with especial reference to eugenics. Two lectures and three laboratory hours.

Elective: 3, 4, 5.
Prerequisite: Biology 1-2; 3, 4; 113
Lectures: T Th 10:30 in B 206
Laboratory F. 1.30-4.30

Mr. Li

Biology 115 **Parasitology** Credits 4

A detailed study of the common parasitic Protozoa, Vermees and Arthropoda, with special emphasis laid on their morphology, life history and economic importance. 2 lectures and 6 laboratory hours.

Elective: 3, 4, 5.
Prerequisite: Biology 1-2, 3
Lectures M.W. 8.00
Laboratory MW 9.30-12.30

Mr. Wu

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Biology 116 **Entomology** Credits 4

A study of the morphological characters of insects and the representatives of the different orders, with the emphasis on their evolutionary relationships, life history, economic importance, and methods of control. Two lectures and six laboratory hours.

Elective: 3, 4, 5
Prerequisite: Biology 1-2
Lectures MW 8.00
Laboratory: MW 9.30-12.30

Mr. Wu

*Biology 117 or 118 **Physiology** Credits 4 or 4

A study of the normal functions of the animal body, with especial reference to man. Recommended for home economics students and science teachers. 2 lectures and 6 laboratory hours.

Elective: 3, 4, 5
Prerequisite: Biol. 1-2, Chem. 3-4

DEPARTMENT OF CHEMISTRY

S. D. Wilson, Ph. D. *Professor and Head*
E. O. Wilson, B. S., Ch. E. *Associate Professor*
T. C. Wang, B. S. *Instructor*

*Chemistry 101-102 **Physical Chemistry** Credits 4-4

A careful study of the fundamental laws and principles of chemistry. The laboratory exercises are all of a quantitative nature. 2 lectures and 6 laboratory hours.

Elective: 4, 5
Prerequisite: Chem. 6 and Chem. 10. It is recommended that students take Math. 7-8 with this course.
Lectures: F 10:30 and F 1:30
Laboratory: F 2:30-5:30 and S 9:00-12:00

Mr. S. D. Wilson

Chemistry 103-104 **Advanced Organic Chemistry** Credits 4-4

Lectures, reports on literature and laboratory work in organic chemistry of a more advanced nature than that given in chemistry 9-10. 2 lectures and 6 laboratory hours.

Elective: 4, 5
Prerequisite: Cham. 10

Mr. S. D. Wilson

*Chemistry 105-106 **The Chemistry of Colloids** Credits 3-3

A general study of the methods of preparation, properties and applications of colloids. 1 hour lecture or report and 6 laboratory hours.

Elective: 4, 5
Prerequisites: Chemistry 8 and Chem. 10
Lecture: T 11:30
Laboratory: T Th 1:30-4:30

Mr. S. D. Wilson

Chemistry 108 **Qualitative Analysis** Credits 4

This course includes a thorough review of the principle upon which qualitative analysis is based and a drill in careful manipulation and exact qualitative procedure. 1 lecture and 9 laboratory hours.

Elective: 3, 4, 5
Prerequisite: Chem. 6

Mr. E. O. Wilson

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Chemistry 109 Organic Analysis Credits 4

A course in qualitative and quantitative organic analysis which includes the identification of groups and compounds and the separation of mixtures. 2 lectures and 6 laboratory hours.

Elective: 4, 5
Prerequisites: Chem. 8 and Chem. 10

Mr. T. C. Wang

Chemistry 111-112 Food Chemistry Credits 4-4

A study of the chemistry of foods and nutrition. 2 lectures and 6 hours laboratory.
Elective: 3, 4, 5
Prerequisite: Chem. 10

Chemistry 114 History of Chemistry Credits 2

A brief study of the more important features in the development of chemistry from the earliest times to the present. 2 lectures and classroom reports.

DEPARTMENT OF ECONOMICS

J. B. Taylor, M. S. *Professor and Head*
B. H. Li, M. A. *Assistant Professor*
B. Y. Chu, M. A. *Lecturer*
Stephen I. O. Tsai, B. A. *Lecturer*
T. Chen, Ph. D. *Honorary Lecturer*

Economics 113-114 Money and Banking Credits 3-3

The principles of the subject are set forth, and special attention is paid to the problems of currency and to the various forms of credit and banking in China. Some account is given to modern proposals for currency reform.

Elective: 3, 4, 5
Prerequisite: Economics 3-4
T Th S 8:30

Economics 117 Statistics Credits 3

An introductory, non-mathematical course, emphasizing the application of statistics to social and economic study.

Elective: 2, 3
Prerequisite: Economics 1-2 or 3-4
T Th S 10:30

Mr. Tayler

Economics 119-120 Public Finance Credits 3-3

A comparative study, concluding with a discussion of national and provincial finance in China.

Elective: 3, 4
Prerequisite: Economics 3-4
T Th S 9:30

Economics 121 Aspects of Modern Industry Credits 3

Industrial fluctuation, unemployment, results of specialization. Wages and hours, scientific management, industrial insurance, industrial control. Industrial welfare may be included in any year in which Sociology 106 is not given.

Elective: 3, 4
Prerequisite: Econ. 3-4
M W F 11:ep

Mr. Tayler

Economics 122 Cooperation Credits 3

Mr. Tayler

Economics 123 Labor Problems Credits 3

History of the Labor Movement; the International Labor Office; the place of co-partnership shop committees, industrial councils and other plans for democratization in modern industry.

Elective: 3, 4
Prerequisite: Econ. 1-2 or 3-4
M W Th 11:30

Mr. Chen Ta and Mr. Tsai

Economics 124 Socialism and Social Reform Credits 3

Mr. Tsai

Economics 125 Rural Economics Credits 3

Mr. Tayler

Economics 129-130 Accounting Credits 3-3

An introductory and general principle course in accounting. This course is required of students wishing to study business administration.

Elective: 2, 3
Prerequisite: Econ. 1-2 and Bookkeeping

Economics 131 Foreign and Domestic Trade Credits 2

The first semester is devoted to foreign and domestic exchange. The technique of importing and exporting, and of domestic merchandising with special emphasis on Chinese conditions.

Elective: 2, 3, 4
T Th 3:30

Mr. Chu

Economics 132 Foreign and Domestic Exchange Credits 2

The second semester is devoted to foreign and domestic exchange. The principles and practice of foreign and domestic exchange are discussed in detail. Special emphasis is laid on Chinese conditions.

Elective: 2, 3, 4
T Th 3:30

Mr. Chu

Chemistry 109 Organic Analysis Credits 4

A course in qualitative and quantitative organic analysis which includes the identification of groups and compounds and the separation of mixtures. 2 lectures and 6 laboratory hours.

Elective: 4, 5

Prerequisites: Chem. 8 and Chem. 10

Mr. T. C. Wang

Chemistry III-112 Food Chemistry Credits 4-4

A study of the chemistry of foods and nutrition. 2 lectures and 6 hours laboratory.

Elective: 3, 4, 5

Prerequisite: Chem. 10

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Chemistry 114 History of Chemistry Credits 2

A brief study of the more important features in the development of chemistry from the earliest times to the present. 2 lectures and classroom reports.

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Elective: 3, 4, 5

Prerequisite: Economics 3-4

T Th S 8:30

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An introductory, non-mathematical course, emphasizing the application of statistics to social and economic study.

Elective: 2, 3

Prerequisite: Economics 1-2 or 3-4

T Th S 10:30

Mr. Tayler

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A comparative study, concluding with a discussion of national and provincial finance in China.

Elective: 3, 4

Prerequisite: Economics 3-4

T Th S 9:30

Economics 121 Aspects of Modern Industry Credits 3

Industrial fluctuation, unemployment, results of specialization. Wages and hours, scientific management, industrial insurance, industrial control. Industrial welfare may be included in any year in which Sociology 106 is not given.

Elective: 3, 4

Prerequisite: Econ. 3-4

M W F 11:ep

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Mr. Tayler

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Elective: 3, 4

Prerequisite: Econ. 1-2 or 3-4

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Mr. Tsai

Economics 125 Rural Economics Credits 3

Mr. Tayler

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Prerequisite: Econ. 1-2 and Bookkeeping

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Elective: 2, 3, 4

T Th 3:30

Mr. Chu

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Elective: 2, 3, 4

T Th 3:30

Mr. Chu

Economics 145	Transportation	Credits 3
Economics 146	Marketing	Credits 3
Economics 195-196	History of Economic Thought	Credits 3-3 Mr. Li
Economics 201-202	Advanced Economic Theory	Credits 2-2
Fuller consideration than is possible in a general course is given to selected portions of economic theory, the subjects varying from year to year with the interests and needs of the class. Required: for major in Economics Elective: 4, 5 T Th 3:30		
Economics 203-204	Present Day Economic Problems in China	Credits 2-2 Mr. Li
Some of the more urgent of China's problems in the development and conservation of resources, currency and finance, transportation, the development of industry, both large and small scale, and the raising of standards of living, will be dealt with under the guidance of experts in these various lines. Elective: 4, 5 Prerequisite: Economics 3-4 M F 9:30		
Economics 295-296	Advance Economic Seminar	Credits to be arranged Mr. Tayler and others
A seminar may be arranged for graduate students for the first-hand study or investigation of some suitable problem or branch of economics, at the discretion of the Head of the Department. Elective: 5 Prerequisite: Permission of the Head of the Department		
		Mr. Tayler

DEPARTMENT OF HISTORY

William Hung, M. A., S. T. B.	Associate Professor and Head
Wang Tung-ling, M. A.	Professor
Philip de Vargas, Ph. D.	Associate Professor
H. E. Shadick, B. A.	Instructor
Miss Myrtle A. Cline, M. A.	Instructor
Meng Shih-chieh	Instructor
H. B. Sharman, Ph. D.	Honorary Lecturer

History 115-116	Growth of Democracy in England	Credits 3-3
A survey of the growth of English institutions. Elective: 3, 4 Prerequisite: History 3-4 or History 13-14 T Th S 8:00		
		Mr. Shadick

History 117, 118	American History	Credits 3, 3
First semester consists of a survey of American history, with emphasis on political institutions. Second semester consists of a study of American foreign policy since 1789. Elective: 3, 4. Prerequisite: History 3-4, or History 13-14 T Th S 11:30		
		Miss Cline
History 125-126	History of India	Credits 2-2
A brief study of the background of India's history, the expansion of her cultures her political plight and her contemporary movements for democracy and independence. Elective: 3, 4 Prerequisite: History 3-4, or History 13-14, and History 55-56. M W F 9:30		
		Mr. de Vargas
History 129	Ancient History of the West to 300 B.C.	Credits 4
A study of the origins of Western civilization in Egypt, Mesopotamia, Syria, the Aegean, Greece and Italy. Elective: 3, 4 Prerequisite: History 3-4, or History 13-14 T W Th F 9:30		
		Mr. de Vargas
History 130	The Roman Empire and Medieval Europe	Credits 4
The consolidation of the West under Roman leadership, its breaking up by the Germanic peoples and the Arabs, and the Medieval work of reconstruction. Elective: 3, 4 Prerequisite: History 3-4 or History 13-14 T W Th F 9:30		
		Mr. de Vargas
History 139+140	19th Century History	Credits 2+2
A study of the evolution during the period 1815-1914 of the political institutions and social forces which are characteristic of modern civilization. Elective: 3, 4 T Th 10:30		
		Mr. de Vargas
History 143+144	Chinese History	Credits 3+3
The first semester covers a critical study of the Chinese History from the end of the Second Han Dynasty to the beginning of the Sui Dynasty (220, 590 A.D.). The second semester covers the period up to 959 A. D. Lectures and readings. Elective: 3, 4 Prerequisite: History 55-56 M W F 3:30		
		Mr. Meng
History 145+146	Chinese History	Credits 2+2
The first semester covers a critical study of the History of the Sung and the Yuan Dynasties (960-1368 A. D.) The second semester covers the History of the Ming Dynasty (1368-1644). Lectures and readings. Elective: 3, 4 Prerequisite: History 55-56 T Th 3:30		
		Mr. Meng

History 149-150 Chinese History Credits 2-2

A study of historical events which led to the rise of the Chinese Republic, and the political and diplomatic changes in the history since 1912.

Elective: 3, 4
Prerequisite: History 55-56
W F 1:30

Mr. Meng

History 151, 152 Economics History of Europe Credits 3, 3

Elective: 3, 4
Prerequisite: History 3-4, or History 13-14, and Economics 1-2
M W F 1:30

Mr. Shadick

History 170 The Rise and Development of the League of Nations Credits 2

The preparation and creation of the League. Its evolution, and its present work.
Elective: 3, 4
W F 10:30

Mr. de Vargas

History 182 Historical Method Credits 3

A course designed to give students general principles of historical research with exercises on specific problems of investigation.

Required of History Major students.
Elective: 3, 4
Prerequisite: History 3-4, or History 13-14 and History 55-56.
T 2:30-4:30 and special conferences.

Mr. Hung.

History 184 Teaching of History Credits 2

A course designed to give those who expect to teach history the general methods of teaching as applied to history. This course will be under the joint auspices of the Departments of Education and History. Lectures and Exercises.

Elective: 3, 4
Open only to students majoring or minoring in History.
W 2:30-4:30

Mr. Hung

History 201-202 Seminar in Chinese History Credits 2-2

Lectures on and exercises in the method of historical research as applied to certain special topics in Chinese History. Open only to those majoring in History.

Elective: 4, 5
M 1:30-3:30

Mr. Wang

History 203+204 Oriental Influence on Western Civilization Credit 2+2

Seminary study with assigned topics.
Elective: 4, 5
Th 2:30-4:30

Miss Cline

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History 205-206 Sources for the Study of Jesus Credits 2-2

Applying the principles of historical criticism and interpretation to the documents relating to the life of Jesus.

Elective: 3, 4, 5
Section A: M 2:30-4:30
Section B: Th 7:30-9:30 P. M.

Mr. Sharman

History 207 Advanced Historical Method Credits 3

A course designed especially for those who are writing theses in history. Discussions, exercises and conferences.

Elective: 4, 5
Prerequisite: History 8r
T 2:30-4:30 with special conferences.

Mr. Hung

History 211-212 History of Christianity Credits 4-4

A general course on the history of the Christian Church.

Elective: 4, 5
T W Th F 10:30

Mr. Hung

History 213 Christianity in the Nineteenth and Twentieth Centuries Credits 2

How Christianity and the Modern World have influenced one another.

Elective: 4, 5
W F 8:00

Mr. de Vargas

History 215 Christianity in China Credits 2

A historical study of the introduction of Christian institutions into China and the problem of their adaptation to Chinese conditions.

Elective: 4, 5
W 2:30-4:30

Mr. Hung

DEPARTMENT OF PHYSICS

P. A. Anderson, Ph. D. *Assistant Professor & Acting Head*
Y. M. Hsieh, Ph. D. *Assistant Professor*

The department offers, at present, eight advanced courses. These are designed for undergraduates of Senior College grade and for graduate students. Four of the eight courses will be required of undergraduate majors in physics; the remaining four in partial fulfillment of the requirements for the Master's degree.

The department is thoroughly committed to a policy of developing, to the greatest degree practicable, interest in and capacity for original investigation. It is believed that some research experience, aside from the intrinsic

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value of the work done, is imperative in the preparation of students for teaching in either middle schools or colleges or for industrial employment. Sufficient experience of this nature to make the student acquainted with the point of view, fundamental methods, and technique of scientific research will be required for the Master's degree and is strongly recommended to those who are not interested in the higher degrees. The equipment available for research while by no means complete in all lines includes some of the best instruments obtainable for work in several important fields, glassblowing facilities, and a good shop with mechanic and carpenter employed by the department.

Physics 101	Analytical Mechanics	Credits 4
	Statics, kinematics, and the kinetics of particles and rigid bodies. 3 lectures and 3 laboratory hours.	
	Elective: 3, 4	
	Prerequisites: Physics 5-6 and calculus etc. as for former Physics 10	Mr. Hsieh
Physics 102	Physical Optics	Credits 4
	The more important optical phenomena and their fundamental theory. 3 lectures and 6 laboratory hours.	
	Elective: 3, 4	
	Prerequisite: Physics 5-6, and calculus etc. as for Physics 9	Mr. Hsieh
Physics 103	Molecular Physics and Heat	Credits 4
	Viscosity, capillarity, diffusion, change of state, the simple kinetic theory, and an introduction to thermodynamics. 3 lectures and 3 laboratory hours.	
	Elective: 3, 4	
	Prerequisite: Physics 5-6 and calculus.	
	Time (?)	Mr. Hsieh
Physics 104	Thermodynamics	Credits 3
	The principles of thermodynamics and their application to physical and chemical processes. 3 lectures; solution of problems.	
	Elective: 4, 5	
	Prerequisites: Physics 5-6 and calculus, Physics 103 desirable	
	Lecture: T Th S 8:30	Mr. Anderson
Physics 106	Advanced Electricity and Magnetism	Credits 3
	Electrostatics, electrokinetic, and magnetism. 3 lectures.	
	Elective: 2, 3, 4	
	Prerequisites: Physics 5-6, Physics 7, and calculus, Registration in Physics 108	Mr. Anderson
Physics 108	Direct Current Electrical Measurements	Credits 3
	6 laboratory hours.	
	Elective: 2, 3, 4	
	Prerequisites: As for Physics 106 with registration in the latter course.	Mr. Anderson

Physics 110 Mathematical Methods in Physics Credits 3

An introductory course on the application of mathematics to Physics, with practice in the solution of problems. 3 lectures.

Elective:

Prerequisites: Physics 5-6, 7, and calculus

Mr. Hsieh

Physics 111 Modern Development in Physics Credits 4

Conduction of electricity in gases, thermionics, photoelectricity, X-rays, and the atomic structure. 2 lectures and 4 laboratory hours.

Elective:

Prerequisites: Physics 5-6, 7

Mr. Anderson

Physics 151-152 Undergraduated Research Credits 1-1

Required of students majoring in Physics. Involves the preparation of a critical resume of some field of research and a simple original investigation as decided in conference with the instructor.

Mr. Anderson and Mr. Hsieh

For year 1927-28 only Physics 110 will be given in the first term; Physics 103 in the second term.

Physics 201-202 Graduate Research

To graduate students with the necessary training who desire to undertake original work the department offers its facilities of equipments and direction. In the case of students without research exercise an attempt will be made to teach the fundamentals of method and technique. Instruction entirely informal. Credit in proportion to time given.

Elective: 5

Time to be arranged.

Mr. Anderson

DEPARTMENT OF POLITICAL SCIENCE

Shushi Hsu, Ph. D.	Associate Professor and Head
M. Y. K. Kuo, LL. B.	Associate Professor
Dison Poe, M. A.	Assistant Professor
L. R. O. Beven, M. A.	Honorary Lecturer
M. T. Z. Tyau, LL. D.	Lecturer
*L. T. Huang, Ph. D.	Lecturer

(a) Government

Political Science 101-102 Political Institutions Credits 3-3

A study of the governmental organizations of the principal foreign countries.

Elective: 3, 4, 5

M W F 1:30

Mr. Poe

Political Science 111-112 The Chinese Constitution Credits 2-2

A study of the historical development of political China, the form of her government under the Empire, and the problem of government with which the Republic is confronted.

Elective: 3, 4, 5
M W 2:30

Mr. Poe

*Political Science 113-114 Administrative Law Credits 2-2

A study of the Chinese administrative law side by side with the principles of administrative law in the leading Western countries.

Elective: 3, 4, 5

Mr. Kuo

*Political Science 121-122 Municipal Government Credits 2-2

A study of the organization of city government and the more important functional activities of cities in England, France, Germany and the United States, with a review of the development of municipal government in China.

Elective: 3, 4, 5

Mr. Poe

*Political Science 123-124 Public Administration Credits 2-2

A study of the problems of public administration from the standpoint of the executive, emphasis being laid upon the technique and standards of administration.

Elective: 3, 4, 5

Mr. Poe

Political Science 151-152 Political Thought Credits 3-3

A study of the development of political thought in the West and in China, taking note of the impact of the Western thought upon the Chinese and the reaction created thereby.

Elective: 3, 4, 5
T Th S 8:00

Mr. Poe

*Political Science 155-156 Problems of Democracy Credits 2-2

A study of the chief problems of democracy such as public opinion, representation, political parties, etc.

Elective: 3, 4, 5

Mr. Huang

(b) *International Law and Diplomacy*

Political Science 131-132 International Law Credits 3-3

A study of the historical development and practical application of the rules governing the intercourse of nations at the present day.

Elective: 3, 4, 5
T Th S 10:30

Mr. Hsu

Political Science 133-134 Commercial Treaties Credits 2-2

A study of the existing commercial treaties, both old and new, between China and foreign states.

Elective: 3, 4, 5
Th 2:30-4:30

Mr. Tyau

Political Science 141-142 Chinese Foreign Relations Credits 3-3

A study of the historical background, modern development, and present condition of the frontier and alien problems of China.

Elective: 3, 4, 5
T Th S 9:30

Mr. Hsu

Political Science 143-144 World Politics Credits 2-2

A study of the nature, bases, working and products of the foreign policies of the Great Powers.

Elective: 3, 4, 5
T Th 11:30

Mr. Hsu

*Political Science 145-146 Diplomatic Practice Credits 2-2

A study of the technique of diplomacy.

Elective: 3, 4, 5

Mr. Hsu

(c) *Jurisprudence*

Political Science 161-162 Anglo-American Jurisprudence Credits 2-2

A study of the fundamental principles of the Anglo-American system of law from both the analytical and historical point of view.

Elective: 3, 4, 5
M W 9:30

Mr. Bevan

Political Science 163-164 Institute of Roman Law Credits 2-2

A study of the historical development of Roman Law, law of person, law of things, of obligations, and of succession.

Elective: 3, 4, 5
M W 8:00

Mr. Bevan

*Political Science 165-166 Juridical Philosophy Credits 2-2

A study of modern legal philosophy.

Elective: 3, 4, 5

Mr. Kuo

Political Science 171 Chinese Legal System Credits 2

A study of the Chinese system of laws and judicial administration, and incidentally its relations to the problem of extraterritoriality.

Elective: 3, 4, 5
F 2:30-4:30

Mr. Kuo

Political Science 173-174 Principles of Civil Law Credits 3-3

A study of the Chinese civil law, taking note of the adjustment made therein between the time-honored custom and modern legal principles.

Elective: 3, 4, 5
M W F 10:30

Mr. Kuo

Political Science 176 Chinese Family Law Credits 2

A special study of the provisions in the Chinese civil law that relate to the legal rights and duties of a woman as daughter, as wife and as mother.

Elective: 3, 4, 5
F 2:30-4:30

Mr. Kuo

Political Science 177-178 Principles of the Criminal Code Credits 2-2

A study of the Chinese Provisional Criminal Code in reference to the second revised draft from both the theoretical and practical standpoint.

Elective: 3, 4, 5
M W 11:30

Mr. Kuo

*Political Science 181-182 Conflict of Laws Credits 2-2

A study of the principles of private international law.
Elective: 3, 4, 5

Mr. Kuo

Political Science 191-192 Seminar in Political Science Credits 3-3

A course designed to give students majoring in Political Science the methods and technique of research. It is required of Seniors. Graduates may be admitted by special permission.

Elective: 4, 5
T 2:30-4:30 and other time to be arranged

Mr. Hsu

DEPARTMENT OF SOCIOLOGY

*J. S. Burgess, M. A. Associate Professor and Head
Leonard S. Hsu, Ph. D. Assistant Professor & Acting Head
*Miss Jean Dickinson, M. A. Assistant Professor
Wang Wen-pao Lecturer
Franklin C. H. Lee, M. A. Honorary Lecturer

The Department of Sociology offers to students qualified for admittance with graduate standing, advanced courses leading to the M.A. degree, in Social Theory, Social Research and Social Work. The graduate course in Social Theory accords with the general University requirement of 18 credit point of acceptable study and a thesis. The practical courses in Research and Social Work require an additional year of supervised field work, making a total of two years work for the degree and a vocational certificate. Field work is offered under the auspices of the Peking Union Medical College, Social Service Department, Health Demonstration Center, Christian Associations, Community Centers, Industrial Organizations, and others; and surveys are supervised by Mr. Franklin Lee of the National Bureau of Social and Educational Research.

Courses tentatively offered for 1927-8 include

Sociology 101 or 102 Factors of social Progress Credits 3

A study of the significance and meaning of social progress. The student evaluates one by one various theories of social progress based on the exclusive emphasis upon one phase (geographic, social, economic, etc), and finally builds up his own theory of social progress. The course is designed to help the student discover norms by which to judge the value of various possible pieces of social reform. Readings from various books, papers and discussion.

Sociology 103 or 104 Problem of Poverty Credits 3

A study of the causes of poverty and dependency, the present-day machinery and methods for the relief of dependents including a critical discussion of the various preventive measures.

Sociology 105 or 106 Personnel Management and Welfare Work Credits 3

A comparative study of the methods for adjusting the problems of the employee as a member of society.

Sociology 108 Medical Social Service Credits 2

The course will consist of lectures and field work. The lectures will be on the history and development of medical social service; the medical needs of society; the social worker's response to that need; methods of using the community, especially hospitals and dispensaries; discussions of main social diseases, especially tuberculosis and syphilis; the psychology of the sick. Some lectures will be devoted to case work methods, discussion and analysis of certain selected cases, and the scope of medical service in relation to hospital, patient and community.

The field work will be done through the P.U.M.A. Social Service Departments, the student working as a member of the staff on the regular work of the social planning, follow-up for individual cases and some work in the clinics and wards.

Sociology 109 or 110 Criminology and Penology Credits 3

A study of the causes of crime and delinquency, the theories of punishment, modern penal institutions and the machinery of justice.

Sociology 111 or 112 Community Organization Credits 3

A study of the nature of community life in the West and in China. A survey of various forms of community organization and of modern community movements. The relation of the local community and its development to democracy and social progress.

Sociology 115 or 116 Y.M.C.A. or Y.W.C.A. Credits 2

A study of the history and organization of Christian Associations, methods of administration and problems.

Sociology 121 or 122 Case Work Methods Credits 2.

Development of the principles and methods in modern case work, studied largely through the examination of actual case records, as applicable to medical, family or child welfare and the study of interviewing and case studies as fundamental to much of community organization and research.

Sociology 123 or 124	Welfare Administration	Credits 2
A critical study of the organization and administration of modern charitable institutions.		
Sociology 125 or 126	The Population Problem	Credits 2
A study of the population problem with special reference to China: the increase of population, the centralization of population, over population and natural resources, the development of nationalism and imperialism, etc.		
Sociology 127 or 128	Social Legislation	Credits 3
A study of different types of social legislation		
Sociology 141 or 142	Sociology Seminar	Credits 2, 2
The content of this course varies from year to year. In 1927-8 the subject treated will be announced later.		
Sociology 143, 144	Readings in Sociology	Credits to be arranged
Sociology 145, 146	Journal and Bibliographical Club	Credits 1, 1
Individual reports on articles in current sociological journals and on life and writings of contemporary sociologists.		
Sociology 147 or 148	Methodology of Social Anthropology	Credits 2
Sociology 149 or 150	Primitive Societies	Credits 2
Sociology 151 or 152	Primitive Religions	Credits 2
Sociology 161 or 162	History of Peasant Movement	Credits 2
Sociology 201, 202	Social Research Methods	Credits 3
A technical course in social research and investigation. The use of records; statistical methods, the survey and field observation. Students are expected to carry through a detailed investigation.		
Sociology 207, 208	Research in Social Theory	Credits to be arranged
Research in selected topics in social theory may be pursued by students who are prepared to do advanced graduate work.		

UNIVERSITY CALENDAR

1927-1928.

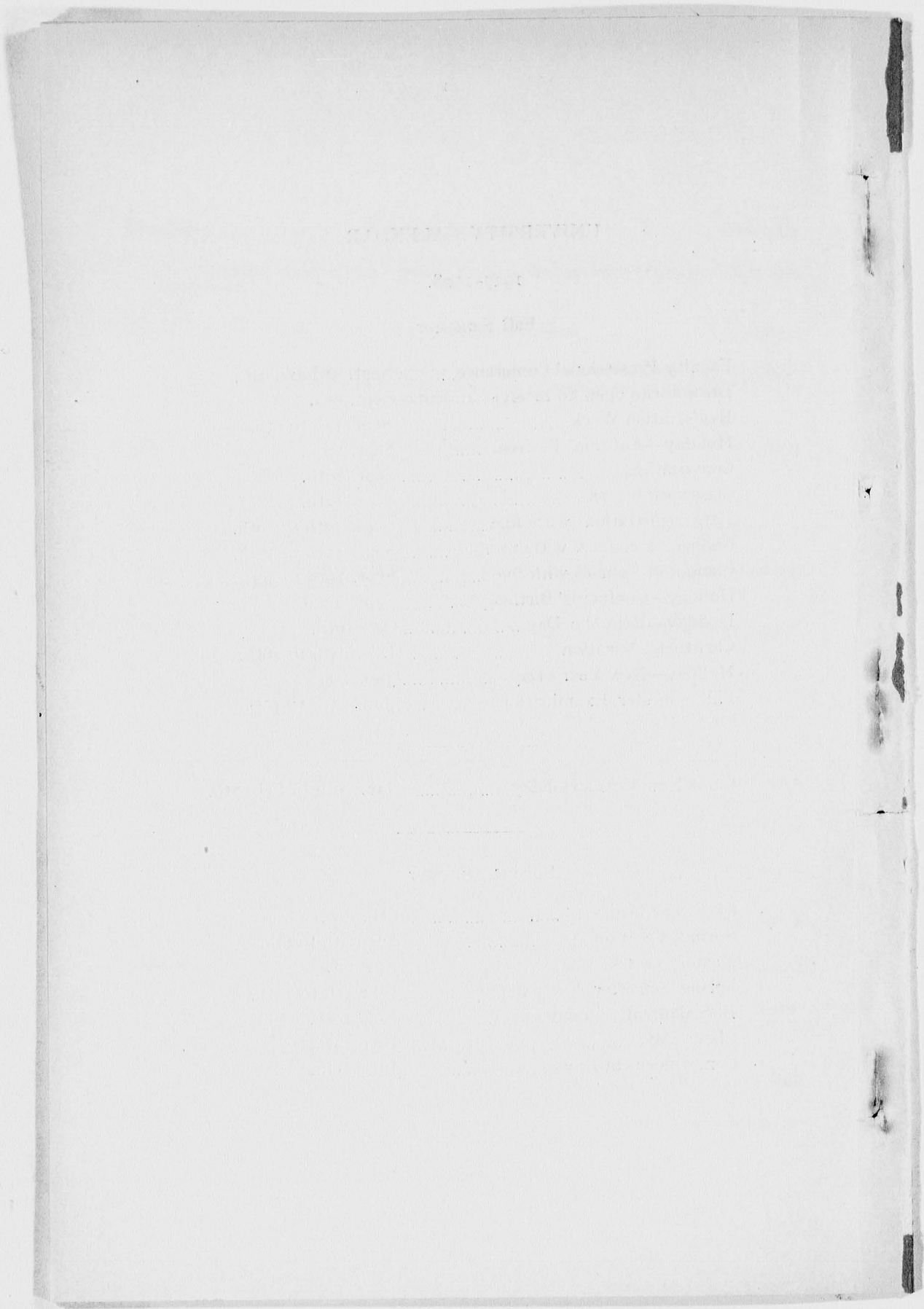
Fall Semester

Faculty Preseasonal Conference.....Sept. 3rd and 4th.
Dormitories open to receive students...Sept. 6th.
Registration Week.....Sept. 6th to 9th.
Holiday—Autumn Festival.....Sept. 10th.
ConvocationSept. 10th.
Classwork begins.....Sept. 12th.
Late registration with fine..... Sept. 12th to 30th.
Change of courses without fine.....Sept. 12th to 17th.
Change of courses with fine.....Sept. 19th to 30th.
Holiday—Confucius' Birthday.....Sept. 22nd.
Holiday—Republic Day.....Oct. 10th.
Christmas VacationDec. 24th to 26th.
Holiday—New Year's Day.....Jan. 1st.
Fall Semester Examinations.....Jan. 13th to 19th.

China New Year's Holiday.....Jan. 20th to Feb. 7th.

Spring Semester

Classwork begins.....Feb. 8th.
Spring VacationApril 5th to 8th.
Master theses due.....May 1st.
Spring Semester Examinations.....June 7th to 13th.
Baccalaureate SundayJune 10th.
Class Day.....June 14th.
Commencement Day.....June 15th.



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燕京大學
YENCHING UNIVERSITY
BULLETIN

Announcement of Courses

Graduate Division

1929-30



Peping, China

August, 1929

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燕京大學

YENCHING UNIVERSITY
BULLETIN

Announcement of Courses

Graduate Division

1929-30



Peping, China

August, 1929

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YENCHING UNIVERSITY BULLETINS

The regular bulletins of the University are issued at stated times during the year. Other special bulletins are issued from time to time as the need arises. All applications for bulletins should be made to the Registrar's office or the Dean's office of the College or School concerned.

Yenching University	
General Catalogue	.....In preparation
Graduate Division	
Announcement of Courses	.....Free
School of Religion	
Announcement of Courses	.....Free
Undergraduate College	
Announcement of Courses	.....15 cents
College of Arts and Letters	
Announcement of Courses	.....Free
College of Natural Sciences	
Announcement of Courses	.....Free
College of Applied Social Sciences	
Announcement of Courses	.....Free
Undergraduate College	
Bulletin of General Information	.....Free
Chuan Hsiu K'e 專修科	
Bulletin of General Information	.....Free
Yenching University	
Directory of Faculty and Students	.....15 cents

Special Departmental bulletins will be supplied by the Registrar and the departments concerned upon receipt of postage.

Address Communications for

Graduate Division	General Information	Women's College
to	to	to
Chairman, Shuhsi Hsu, Yenching University, Peping.	Registrar, Y. P. Mei Yenching University, Peping.	Dean, Mrs. M.S. Frame Yenching University, Peping.

ACADEMIC CALENDAR

1929-1930

Fall Semester

Dormitories open to students	Sept. 3 (Tues.)
Faculty preessional conference	Sept. 5 (Thur.)—6 (Fri.)
Freshman week	Sept. 9 (Mon.)—14 (Sat.)
Registration of new students	Sept. 9 (Mon.)—10 (Tues.)
Registration	Sept. 11 (Wed.)—13 (Fri.)
Convocation	Sept. 14 (Sat.)
Classwork begins	Sept. 17 (Tues.)
Late registration with fine	Sept. 17 (Tues.)—30 (Mon.)
Change of courses without fine	Sept. 17 (Tues.)—23 (Mon.)
Last day for taking make-up examinations	Sept. 23 (Mon.)
Change of courses with fine	Sept. 24 (Tues.)—30 (Mon.)
Formal opening	Sept. 27 (Fri.)—Oct. 1 (Tues.)
Senior thesis topic due	Oct. 15 (Tues.)
Freshman mid-semester examinations	Nov. 18 (Mon.)—Nov. 23 (Sat.)
Senior thesis outline due	Nov. 30 (Sat.)
Fall semester examinations	Jan. 20 (Mon.)—25 (Sat.)
Winter vacation	Jan. 26 (Sun.)—Feb. 9 (Sun.)

Spring Semester

Registration	Feb. 10 (Mon.)—11 (Tues.)
Classwork begins	Feb. 13 (Thur.)
Late registration with fine	Feb. 13 (Thur.)—26 (Wed.)
Change of courses without fine	Feb. 13 (Thur.)—19 (Wed.)
Last day for taking make-up examinations	Feb. 19 (Wed.)
Change of courses with fine	Feb. 20 (Thur.)—26 (Wed.)
Master's thesis due to major department	April 1 (Tues.)
Spring recess	April 7 (Mon.)—13 (Sun.)
Master's thesis due to graduate committee	May 1 (Thur.)
Senior thesis due to major department	May 1 (Thur.)
Senior thesis due to dean of college	May 15 (Thur.)
Spring semester examinations	June 16 (Mon.)—21 (Sat.)
Baccalaureate	June 22 (Sun.)
Class day	June 23 (Mon.)
Commencement	June 24 (Tues.)

Besides the holidays as announced in the University Calendar, the University also observes all school holidays as may be regulated by the Government.

OFFICERS OF GRADUATE ADMINISTRATION

Lei-Chuan Wu, Member of Hanlin Academy . . . Chancellor of the University
J. Leighton Stuart, B.D., D.D. President

Committee for the Graduate Division

Shuhsi Hsü, Ph. D. Chairman
Sui Wang (Miss), M.A., Ph. D. Secretary
Kiam Ma, M. A.
Y. P. Mei, Ph. D.
Ph. de Vargas, Ph. D.
S. D. Wilson, M. A., Ph. D.
C. F. Wu, M. A., Ph. D.

Chairmen of Departments

C. F. Wu, M.A., Ph. D. Biology
S. D. Wilson, M.A., Ph. D. Chemistry
Kiam Ma, M.A. Chinese
J. B. Tayler, M. Sc. Economics
H. S. Galt, B.D., D.D., Ed. D. Education
Philip de Vargas, Ph. D. History
L. T. Huang, Ph. D. Philosophy
Y. M. Hsieh, Ph. D. Physics
Shuhsi Hsü, Ph. D. Political Science
C. W. Luh, Ph. D. Psychology
Leonard S. Hsü, Ll. B., Ph. D. Sociology

Address Communication to

Y. P. Mei. Registrar

GENERAL STATEMENT

In the academic year of 1929-30 the following Departments will offer courses of study leading to the degrees of Master of Arts and Master of Science:

Biology	Chemistry	Chinese	Economics
Education	History	Philosophy	Physics
Political Science	Psychology	Sociology	

Admission

Students who wish to enroll as graduate students in these Departments should write to the Registrar for an application form, have it filled out as directed therein, and mail it back to the same officer, together with all relevant material on or before August 20; but applications received after May 1, may, in certain cases, have to be rejected on account of lack of accommodation. The applicant will hear from the Registrar whether he is admitted after his case has been passed upon by the Committee for the Graduate Division.

To be successful, an applicant must have (1) an undergraduate record equivalent to the degree of Bachelor of Arts or Science of Yenching University, (2) sufficient preparation in the chosen field of study; (3) an ability to express himself correctly and clearly in Chinese; and (4) a command of English adequate for the demand of the course of study to be pursued. In addition, he must be a student of more than average intelligence. This requirement is ordinarily met by the applicant's presenting a certificate of undergraduate record which has the merit-point credit to the value of 1.30 according to the Yenching standard. Consideration will be given to an applicant whose failure, to maintain the required undergraduate standing is due not to low intelligence, but to some accidental cause. Exception may also be made in favor of an applicant who is exceptionally promising in the line he proposes to pursue as a graduate student, and whose standing though below the set mark of 1.30 is not too far removed from it. In either case a letter of testimony or recommendation from the proper authorities is necessary.

Registration

Having received the notification of admission the student may proceed to the University to register on the day set for the purpose in the University Calendar, in accordance with the "Registration Procedure" announced on the Bulletin Board, bringing with him as evidence of admission the letter from the Registrar.

For late registration or failure to complete registration by the time indicated in the University Calendar a fine will be imposed. No student, old or new, may be permitted to register if he arrives more than two weeks later than the first day of class work.

Students are allowed to change courses only before or on the date set in the Calendar.

Graduation

To graduate with the degree of Master of Arts or Master of Science a candidate is required to have (1) the minimum of one year's residence in the University; (2) 18 credits of Graduate Division courses listed below with the minimum grade of M. for each course and a minimum general grade ratio of 1.30; and (3) a thesis representing individual investigation and equivalent to a 6-credit graduate course of study. In addition, the candidate must show in his special studies and thesis:

- (a) Ability to express himself clearly and forcibly;
- (b) General knowledge of the whole field of studies within which his special subject is found;
- (c) Mastery of the methods of investigation required for his major subject, and
- (d) Evidence of capacity for individual search for material to be studied, original thinking and scientific judgment.

For determining the foregoing points a candidate is required to pass the following examinations in addition to such as are given in the graduate courses which he may have elected:

- (a) Such written examinations in the whole field of the candidate's special interest as may be required by the Department in which his major subject is taken;
- (b) An oral examination upon the candidate's thesis by a committee specially appointed for the purpose.

In order that the special committee may have sufficient time to examine the thesis, the candidate is required to submit it in proper form to the Chairman of the Committee for the Graduate Division on or before the first of May.

Fees

	per Semester	per Year
Application fee	3	
Admission fee	2	
Tuition (per credit)	4	
Auditing fee (per credit)	2	
Work taken to make-up deficiencies (per credit)	2	
Board	35	70
Dormitory room, light, heat and water	20	40
Dormitory key deposit		1
Dormitory reservation deposit		5
Natural Science fees:		
Biology courses	5	10
Chemistry courses	5	10
Chemistry breakage deposit	5	10
Chemistry laboratory fee for students doing research work for M. S. degree		7
Physics courses	5	10
Medical fee	1	2
Athletic fee	1	2
Incidental fee	1	2
Graduation fee (Master's degree)		10

COURSES OF STUDY

In the following pages only courses of Departments that are prepared to undertake the supervision of graduate studies leading to the Master's degree are given. Graduate students who wish to elect courses offered by other departments are referred to the "Announcement of Courses for the Undergraduate College."

Section A Courses are exclusively for graduate students. Section B Courses are Senior College Courses for which graduate students may receive credit by doing extra work as directed by the instructor in charge and approved by the Chairman of the department.

DEPARTMENT OF BIOLOGY.

Chenfu F. Wu, M.A., Ph. D. *Professor and Chairman*
Alice M. Boring, M.A., Ph. D. *Professor*
Ju-ch'i Li, M.A., Ph. D. *Assistant Professor*
Tse-ying Ch'en, M.A., Ph. D. *Assistant Professor*

SECTION A

Biology 201 Advanced Entomology Credits 4

A detailed study of the special morphology and internal anatomy of insects, with particular emphasis on the structural characteristics and physiological processes. One lecture and nine laboratory hours.

Prerequisite: Biology 106

Lecture: Time to be arranged

Laboratory: Time to be arranged

Mr. Wu.

Biology 202 Systematic Entomology Credits 4

A practice in the careful use of keys for determining the genera of the more important and common insects. One lecture and nine laboratory hours.

Prerequisite: Biology 106

Lecture: Time to be arranged

Laboratory: Time to be arranged

Mr. Wu.

Biology 203 Advanced Vertebrate Zoology Credits 4

A study of the special morphology, physiology, taxonomy and biology of a class of Vertebrates or one of its subdivisions. One Lecture and nine laboratory hours.

Prerequisite: Biology 52, 101, 105, 155

Lecture: Time to be arranged

Laboratory: Time to be arranged

Miss Boring

Biology 204 Cytology Credits 4

A detail study of the cell from the morphological point of view is the plan of this course. Different technical methods for fixing and staining the cells are to be taken up first. Then the study of mitosis and meiosis of plant and animal cells follows. Emphasis is laid particularly on the behavior and individuality of chromosomes. A special problem is to be assigned to each student. One lecture and nine laboratory hours a week.

Prerequisite: Biology 101, 102

Lecture: Time to be arranged

Laboratory: Time to be arranged

Mr. Li

Biology 205 Experimental Biology Credits 4

An introductory study of living phenomena in natural and experimental conditions including methods of experimentation and environmental factors, physical and chemical, influencing the life processes of an organism. One lecture and nine laboratory hours.

Prerequisite: Biology 155

Lecture: Time to be arranged

Laboratory: Time to be arranged

Mr. Chen

SECTION B

Biology 103 Biological Technique Credits

Principles and practice of making microscopic preparations. Guyer's Animal Micrology will be followed. Six laboratory hours.

Prerequisite: Biology 51 52

Laboratory: MW 1:30-4:30

Mr. Wu

Biology 104 Biological Technique Credits 2

A practical study of various laboratory methods in collectin, preserving and preparing biological specimens for class and laboratory work. Six laboratory hours.

Prerequisite: Biology 103

Laboratory: MW 1:30-4:30

Mr. Wu

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Biology 105 Animal Histology Credits 4

A general study of animal cells and tissues and some typical organs. Fresh material will be studied where possible, and its reaction to various chemicals, which constitutes a foundation for the study of microscopic technique. Two lectures and six laboratory hours.

Prerequisite: Biology 51 52

Lecture: TTh 9:30

Laboratory: TTh 1:30-4:30

Miss Boring

Biology 106 General Entomology Credits 4

A study of the morphological characters of insects and the representatives of the different orders, with emphasis on their evolutionary relationships, life histories, economic importance and methods of control. Two lectures and six laboratory hours.

Prerequisite: Biology 51

Lecture: MW 8:00

Laboratory: TTh 1:30-4:30

Mr. Wu

Biology 151 Biological Problem Credits 2

Each Major student is expected to show the ability of working out independently a simple problem in Biology under the supervision of one of the Professors who is best trained in the special line. Amount of work equivalent to at least six laboratory hours.

Prerequisite: Two years of Biology

Laboratory: Time to be arranged

Biology Staff

Biology 152 Biological Problem Credits 2

Each Major student is expected to show the ability of working out independently a simple problem in Biology under the supervision of one of the Professors who is best trained in the special line. Amount of work equivalent to at least six laboratory hours.

Prerequisite: Two years of Biology

Laboratory: Time to be arranged

Biology Staff

Biology 153 Journal Club Credit 1

In this course the faculty and students will give reports on articles in current biological journals. One conference hour.

Prerequisite: Two years of Biology

Conference: Time to be arranged

Mr. Li

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Biology 154 Journal Club Credit 1

In this course the faculty and students will give reports on articles in current biological journals. One conference hour.

Prerequisite: Two years of Biology
Conference: Time to be arranged Mr. Li

Biology 155 Animal Physiology Credits 4

A study of the normal functions of the animal body, with special reference to man. Recommended for Home Economic students and Science teachers. Two lectures and six laboratory hours.

Prerequisite: Biology 51, 52, Chen. 3-4
Lecture: TTh 8:00
Laboratory: TTh 1:30-4:30 Mr. Chen

Biology 156 General Bacteriology Credits 4

A general study of the action of bacteria, yeasts and molds, with emphasis on cultural and staining methods. Two lectures and six laboratory hours.

Prerequisite: Biology 51, 52 Chen. 3-4
Lecture: TTh 8:00
Laboratory: TTh 1:30-4:30 Mr. Chen

Biology 158 Protozoology Credits 2

The course deals with an intensive study of the protozoans. Morphological, physiological and systematic survey of the unicellular animals are to be taken up in succession. Recent experimental work on the problems of regeneration, conjugation and endomixis are discussed. Emphasis is also laid upon the relation of the protozoon to diseases and human welfare. One lecture and three laboratory hours.

Prerequisite: Biology 51
Lecture: W 10:30
Laboratory: W 1:30-4:30 Mr. Li

DEPARTMENT OF CHEMISTRY.

Stanley D. Wilson, M. A., Ph. D. . . . *Professor and Chairman*
Wm. H. Adolph, B. A., Ph. D. *Professor.*
E. O. Wilson, B. S., S. M. *Associate Professor.*
T. C. Wang, B. A. *Instructor.*

SECTION A

Chemistry 241 Research for Masters Credits to be arranged
Degree

Suitably prepared students may elect research work for the master's thesis in the following fields: inorganic chemistry, organic chemistry, physical chemistry, food chemistry, biochemistry, and applied chemistry. Such work can be elected only with the approval of the Chairman of the Department and of the staff member directing the individual piece of work.

Prerequisite: Each case is decided on its own merits.
Laboratory: To be arranged. Staff

Chemistry 242 Research for Master's Degree Credits to be arranged

For description of the course and conditions of election see Chemistry 241.

Laboratory: To be arranged. Staff.

SECTION B

Chemistry 114 History of Chemistry Credits 2

A brief study of the more important features in the development of Chemistry from the earliest time to the present. Two lectures and classroom reports. To be elected with permission of the instructor.

Lecture: Not Offered 1929-30. Mr. S. D. Wilson.

Chemistry 116 Food Chemistry Credits 4

A study of the chemistry of food and nutrition. Two lectures and six laboratory hours.

Prerequisite: Chemistry 6 and 9.
Lecture: To be arranged. First Semester.
Laboratory To be arranged. Mr. Adolph.

Chemistry 117 Physiological Chemistry Credits 4

A comprehensive course covering the usual topics in physiological chemistry. Two lectures and six laboratory hours.

Prerequisite: Chemistry 9.

Lecture: To be arranged. Second Semester.

Laboratory: To be arranged.

Mr. Adolph.

Chemistry 119 Leather Chemistry Credits 4

A study of the chemistry of leather manufacture. The subject is taken up from the viewpoint of physical chemistry. The various tanning operations are reviewed and the importance of chemical control emphasized. The laboratory work illustrates in a quantitative manner some of the most important of the theories presented. Two lectures and six hours laboratory work.

Prerequisite: Chemistry 6. and 9.

Lecture: T. Th 10:30. First Semester.

Laboratory: To be arranged.

Mr. S. D. Wilson.

Chemistry 120 Leather Chemistry Credits 4

The analysis of materials and products used in the leather industry. Rapid methods suitable for actual use in the tannery are studied. Two conferences and nine laboratory hours.

Prerequisite: Chemistry 119.

Lecture: Conference T. Th 10:30. Second Semester.

Laboratory: To be arranged.

Mr. S. D. Wilson.

Chemistry 121-122 Industrial Chemistry Credits 4-4

The most important of the industries in which chemical reactions play a major part are considered. Plant equipment is described in some detail and the factors which influence economic large-scale production are discussed. One half of the time of this course is devoted to the subject of industrial stoichiometry. A large number of numerical problems will be solved by the students. Four lectures and recitations.

Lecture: To be arranged.

Mr. E. O. Wilson

Chemistry 123 Technical Analysis Credits 4

This course is designed to accompany Course 121. Instruction will be given in gas, fuel and water analysis. Considerable range of choice will be allowed the individual student, depending upon his interests and previous training. Rapid methods for the analysis of various commercial products, training in the use of the hydrogen electrode, and the practical use of the thermocouple will also be included. One conference and nine laboratory hours.

Prerequisite: Chemistry 6.

Time to be arranged. First Semester.

Mr. E. O. Wilson

Chemistry 124 Special Problems in Applied Chemistry Credits 4

This course should accompany or follow the courses in industrial chemistry and technical analysis. Individual or group investigations will be conducted, the particular nature of the problems will depend upon the interests and previous training of the students. Laboratory and informal conferences.

Prerequisite: Chemistry 123

Time to be arranged. Second Semester.

Mr. E. O. Wilson

Chemistry 127 Qualitative Organic Analysis Credits 3

A study of the systematic classification of organic compounds including methods for the identification of various groups and compounds. One lecture and six laboratory hours.

Prerequisite: Chemistry 10

Time to be arranged. Not offered 1929-30.

Mr. Wang

Chemistry 129 Quantitative Organic Analysis Credits 3

Practice in the standard methods used for the quantitative analysis of organic compounds and the quantitative estimation of organic radicals. One lecture and six laboratory hours.

Prerequisite: Chemistry 10

Time to be arranged. First Semester.

Mr. Wang

Chemistry 130 Qualitative Analysis Credits 4

This course includes a thorough review of the principles upon which qualitative analysis is based, and a drill in careful manipulation and exact qualitative procedure. One lecture and nine laboratory hours.

Prerequisite: Chemistry 6 Not offered 1929-30.

Chemistry 131-132 Physical Chemistry Credits 4-4

A careful study of the fundamental laws and principles of chemistry. The laboratory exercises are all of a quantitative nature. Two lectures and six laboratory hours.

Prerequisite: Chemistry 6 and 10. (It is recommended that students take Calculus with this course.)

Time to be arranged. Mr. S. D. Wilson

Chemistry 133-134 Advanced Organic Chemistry Credits 4-4

Lectures, reports on literature, and laboratory work in organic chemistry of a more advanced nature than that given in Chemistry 109-110. Two lectures and six laboratory hours.

Prerequisite: Chemistry 110
Lectures: WF 8:00. Not offered 1929-30.
Laboratory: To be arranged.

Mr. S. D. Wilson

Chemistry 135-136 The Chemistry of Colloids Credits 3-3

A general study of the methods of preparation, properties and applications of colloids. One hour lecture or report and six laboratory hours.

Prerequisite: Chemistry 108 and 110
Lecture: T 11:30 Not offered 1929-30.
Laboratory: To be arranged.

DEPARTMENT OF CHINESE

Ma Kiam, M. A. *Professor and Chairman*
Jung Keng *Professor*
Kuo Shao-yü *Professor*
Chou Tso-jen *Lecturer*
Ku Sui *Lecturer*
Li Shao Hsi *Lecturer*
Yang Chen-sheng *Lecturer*

Hwang Lechung Tsetung, M.A., Ph. D. *Professor,*
Department of Philosophy

Hsü Ti-shan, M.A., B. D., B. Litt.
(Oxford) *Assistant Professor,*
School of Religion

SECTION A

Chinese 201 Bibliography of Chinese Literary Criticism Credits 2

文史研究

本課程專研究中國文學批評之書籍，以昔時目錄家所著錄於文史類或詩文評類者為範圍，而復益以詞話曲話之屬，從事於考訂校勘輯佚疏解等項之研究。

(not given 1929-1930)

Mr. Kuo

Chinese 204 Study of Tao Yuan-ming Credits 2

陶集研究

本課程分論陶淵明之個性，環境思想，文辭，與其淵源影響，以及後人擬陶，和陶，集陶諸作，至陶集各種版本及註解本與各家所定本譜，亦均重加考訂，校勘，以為研究專集專家之示例。

(not given 1929-1930)

Mr. Kuo

Chinese 205 Study of Philosophical Dialogues of Sung, Yüan and Ming Dynasties Credits 2

語錄文研究

本課題授宋，元，明語錄文與近日語體文作比較的研究。

(not given 1929-30)

Mr. Hwang

Chinese 207-208 Bhuddhist Literature Credits 2-2

佛教文學

選授中國歷代佛教關於文學之作品。

T. Th. 1:30

Mr. Hsü

Chinese 221 Study of "Shuo Wen" Credits 3

說文研究

說文爲解說形義音三者之字書。本課注重練習，爲考讀古書之門徑。

(first semester) MWF 10:30

Mr. Jung

Chinese 222 Chinese Paleography Credits 3

甲骨鐘鼎文字之研究

上古文字之見存者以甲骨文，金文爲最要，其文字與記載多有關於文字及史學，本課在指道學者認識及應用此種材料以爲研究之資，而並及於古代文字之比較。

(second semester) MWF 10:30

Mr. Jung

Chinese 227-228 Modern Chinese Language Credits 3-3

近代語研究

用歸納的方法，就宋元以來約九百年間之語體的文學作品，及其他著述記載，考其語言之特徵及變遷，以完成本國文字語言學上“近代語”之系統。其應用上之目的：一 知現代國語之如何形成及統一的趨勢；二 知現代方言分布之理；三 知語言轉變與文學革新之關係；四 於古典的字書辭典以外，期成“近代語辭書”以便研究近代文學或教學近代讀物者之稽檢。

Th 1:30-4:30

Mr. Li

Chinese 231-232 Textual Critique of Chinese Literature Credits 2-2

校勘學

(not given 1929-30)

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SECTION B

Chinese 163-164 Studies of Chinese Sketch-books Credits 2

筆記分類研究

筆記爲文人學者自由抒寫之文，其內容至爲豐富，本課選授各時代之筆記，討論其文學上之價值，并分類搜集材料以爲研究各種學術之資。

(Second semester) M 2:30-4:30

Mr. Ma

Chinese 167 Methods of Teaching Chinese for Jr. and Sr. Middle School Credits 2-2

中學國文教學法

本課由教育學系與國文學系合辦，其內容爲一 研究并討論教材之選擇及支配；二 研究並實習教授方法。

(first semester) M 2:30-4:30

Mr. Ma

Chinese 171-172 Study of "Sao" and "Fu" Credits 2-2

騷賦研究

本課選授騷賦代表作品，使學者得賞味并審識古人神思形貌之所在，藉以明散文與韻文之關係。

TTh 10:30

Mr. Ku

Chinese 173 Poetry of the T'ang Period Compared with the Poetry of the West Credits 2

唐詩與西洋詩的比較研究

(first semester) MW 11:30

Mr. Hwang

Chinese 174 Poetry of the Sung Period Compared with the Poetry of the West Credits 2

宋詩與西洋詩的比較研究

(second semester) MW 11:30

Mr. Hwang

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0839

Chinese 175-176 Comparative Studies of Modern Literature Credits 2-2

近代文學之比較研究

此課純係研究性質，就各種文辭中如戲劇，小說，詩歌，散文等，擇取歐洲各國之名著與中國之作品作比較的研究，其目的在參證外國文學作品，以求中國新文學之創造，凡能讀英文較易及有志新文學之研究者可入此班。

W 2:30-4:30

Mr. Yang

Chinese 181-182 Translated Literature Credits 2-2

翻譯文之研究

研究翻譯文法之異同 文詞之變化，並注意其文學上之影響，自漢晉至現代分前後二期，講授後期翻譯時並隨時試譯，以資印證。

W 10:30-12:30

Mr. Chou

DEPARTMENT OF ECONOMICS

J. B. Tayler, M. Sc. *Professor and Chairman*
H. J. Huang, Ph. D. *Lecturer*
T. C. Jen, M. A. *Lecturer*
W. Gideon Chen, M. A. *Lecturer*
C. Huang *Instructor*

SECTION A

Economics 205-6* Population Theory
Economics 207-8* Standards of Consumption
(*Not offered in 1929-30)

Some of the advanced courses in the undergraduate department are open to graduate students by special arrangement with the chairman of the department. These include.

Advanced Accounting 4-4
Cost Accounting 4-4
Advanced Economic Theory 3-3

Economics 224 Advanced Labour Problems Credits 2

Special topics are taken up for intensive investigation and report. Class meetings are devoted to discussion and critical examination of results. Each student regularly confers with the instructor as he carries forward his individual piece of work.

Mr. C. Huang

Economics 225 Problems in Rural Economics Credits 2-0

Detailed attention to land legislation, land policy, land settlement, agricultural prices and other matters of interest to the class concerned.

Hours to be arranged.

Admission only by permission of the tutor. Mr. J. B. Tayler

Economics 228 Problems in Cooperation Credits 0-2

Recent developments and problems in the cooperative movement. Cooperative legislation. Outstanding questions as to cooperative development in China.

Hours to be arranged.

Admission by permission of the tutor. Mr. J. B. Tayler

Economics 231-232 Problems of Public Finance Credits 2-2

An examination of the more technical and more complicated problems of public finance which are not covered in Economics 33-34. Considerable reading is required. Lectures, reports, and discussions.

Prerequisite: 33-34

Admission only by permission of the instructor.

Hours to be arranged. Dr. H. J. Huang

Economics 233 Municipal Finance Credits 3

(Not given in 1929-30)

General consideration of municipal revenues and expenditures, assessment, budget-making, local indebtedness, purchasing, and kindred subjects.

Hours to be arranged. Dr. H. J. Huang

Economics 241-242 Research Seminar in Credits 2-2
 Economic History

This course is an attempt to train students to do research work in Chinese Economic History, particularly on the recent economic development of China, and growth of foreign and domestic trade. Statistical analysis of figures in the Customs Reports will be dealt with in this course. Some knowledge of statistics is required.

Tues. 3:30-5:30 Mr. T. C. Jen

SECTION B

Economics 90-1 Seminar on "Industrialization Credits 2-2
 in China"

This course will deal with the factors influencing the course of industrial development in China, and a study of the economic and social results. Independent study and investigation will be required of the students.

Admission only by special permission.

Hours to be arranged W. Gideon Chen
 and Mr. J.B. Tayler

DEPARTMENT OF EDUCATION

Howard S. Galt, Ed. D. *Professor and Chairman*
Henry H. Chou, M. A., Ph. D. *Professor*

SECTION A

Education 201-202 Duties and Problems of the Credits 2-2
 Middle School Principal

This course will endeavor to analyze and study systematically the tasks of the middle school principal. The needs and experiences of the members of the class will partially determine the scope and treatment of the material. Attention will be given both to the principles and to concrete applications. The method will include discussion, investigation, assigned readings and lectures.

Elective: 4, 5.
Lecture: T. Th. 3:30. Mr. Galt

Education 203-204 New Theories of the Curriculum Credits 2-2

With the growth of civilization, the choice and arrangement of the materials of education increase in difficulty. Many new theories and methods affecting the construction of school curricula have been developed. In the present course these new theories and methods will be considered. Materials and methods will be adapted as far as possible to the needs and experiences of those who enter the course.

Elective: 4, 5.
Lecture: W.F. 9:30. Mr. Galt

Education 205-206 Measurement and Experimentation Credits 2-2
 in Education

This course discusses the application of statistical methods and educational and intelligence tests to the study of, and experimentation in, different problems in education. The investigation of educational conditions, the comparison of the pupils' educational products and experimentation with methods of teaching are all within the province of this course. It is recommended to administrators, as well as research students in education.

Prerequisite: Education 141
Lecture: T. Th. 11:30. Mr. Chou

DEPARTMENT OF HISTORY

Ph. de Vargas, Ph. D. *Professor and Acting Chairman*
 Ch'en Yüan *Professor*
 Ku Chieh-kang *Professor*
 Chang Hsing-lang B.S. *Assistant Professor*
 Chü Hsüan-ying *Lecturer*
 Wang Shih-fu *Lecturer*

Mrs. Murray S. Frame, B.D., D. Litt. *Dean of Women's College and Professor*
 Jung Keng *Professor in Department of Chinese*

SECTION A

History 211-212 Ancient Period of Chinese History Credits 3-3
 Mr. C. K. Ku

History 219-220 Sung, Liao, Kin and Yüan Credits 2-2
 A study of the races, rise and fall, organization of the governments, diplomatic changes and special culture of these dynasties.
 Mr. H. L. Chang

History 241-242 History and Geography of the Credits 3-3
 North-West
 Studies of the history and geography of the provinces and states on the northern and western frontiers of China, with special emphasis on the historical contact between Europe and China.
 Mr. H. L. Chang

History 243-244 History and Geography of the Credits 3-3
 North-West
 Continuation of History 241-242
 Mr. H. L. Chang

History 261-262 Studies in the History of Credits 1-1
 Christianity in China
 S 10:30 Mr. Y. Chen

History 337-338 History of Christianity Credits 3-3
 A study of the development of the Christian movement throughout the world and of its relation to civilization.
 TThF 9:30 Mr. de Vargas

History 373-374 Chinese Historical Bibliography Credits 1-1
 Introduction to the historical writings of China.
 Mr. Y. Chen

History 375-376 Critical Study of Important Credits 2-2
 Chinese Historical Works
 S 8:30-10:30 Mr. Y. Chen

History 386 Archaeological Materials for Credits 3
 Chinese History
 Mr. K. Jung

SECTION B

History 57-58 History of Chinese Social Life Credits 2-2
 To study the changes and development of costume, architecture and other features of social life so to aid the writing of History of Civilization.
 M 10:30-12:30 Mr. H. Y. Ch'ü

History 65-66 The Chinese Renaissance Credits 2-2
 A study of the modernization of China from the point of view of the comparative history of civilizations.
 TTh 10:30 Mr. de Vargas

History 119-120 Diplomatic History of International Credits 2-2
 Rivalries in the Near East 3, 4.
 Mr. S. F. Wang

History 167 Advanced Historical Method Credits 2
 WF 10:30 Mr. de Vargas

History 178 Western Historians Credits 2
 Mrs. Frame

N. B. Students intending to take graduate work in History should consult with the Chairman before Registration. Much additional information will be available then.

DEPARTMENT OF PHILOSOPHY

L. T. Hwang, M.A., Ph. D. *Professor and Chairman*
L. C. Porter, M.A., B.D., D.D., L.H.D *Professor*
Y. L. Chin, Ph. D. *Lecturer*
Y. C. Dun, Ph. D. *Lecturer*

T. C. Chao, M.A., B.D., D. Lit. *Dean, the School of Religion*

SECTION A

Philosophy 227-228 Religious Implications in Contemporary Philosophy. Credits 2-2

A study of the attitude of our contemporary philosophers towards religion and their influence on religious thinking. Idealism, Pragmatism, Realism, and Vitalism will be dealt with in common with religion.

Prerequisite: pre-supposing its preceding course
Elective: graduates
Lecture: time to be arranged

T. C. Chao

Philosophy 257 Theory of Evolution Credits 2-2

A study of the main problems raised by the theory of evolution and its influence on ethical and social theories.

Prerequisite: Phil 1-2 or Phil 63-64
Elective: graduates
Lecture: time to be arranged

L. C. Porter

Philosophy 259 Theory of Value Credits 2

This course is to show the importance of evaluation in the field of ethics and religion. 'Good Will' and 'Free Causality' will be dealt with

Prerequisite: Phil 1-2 or Phil 63-64
Elective: graduates
Lecture: time to be arranged

L. T. Hwang

Philosophy 271-272 Special Studies in Greek Philosophy Credits 2-2

An intensive study of any of the following: Plato, Aristotle, Stoics, Epicureans, Independent research of the texts will be emphasized.

Prerequisite: pre-supposing its preceding course
Elective: graduates
Lecture: time to be arranged

L. T. Hwang

Philosophy 273-274 Relation of Aristotle and Kant Credits 3-3

A study of the problems solved by the two great thinkers. Independent research will be emphasized. Aristotle's *Metaphysica*, *De Anima*, *Ethics*, *Politics* and Kant's *Critique of Pure Reason*, *Critique of Practical Reason*, *Critique of Judgment* will be used for the basis of discussion.

Prerequisite: pre-supposing its preceding course
Elective: graduates
Lecture: time to be arranged

L. T. Hwang

Philosophy 275-276 Special Studies in Modern Philosophy Credits 2-2

An intensive study of any of the following philosophers: Spinoza, Hobbes, Locke, Hume. Independent research will be encouraged.

Prerequisite: pre-supposing its preceding course
Elective: graduates
Lecture: time to be arranged

Y. L. Chin
L. T. Hwang

Philosophy 277 Seminar Credits 2 or 3

Special topics of study will be arranged for discussion and conferences.

Prerequisite: First year requirements in Philosophy
Elective: graduates
Lecture: time to be arranged

Philosophy Staff

SECTION B

Philosophy 5-6 Problems of Philosophy Credits 2-2

To study the salient problems in philosophy. Independent research will be encouraged.

Prerequisite: phil 1-2 or phil 21-22
Required: graduates
Elective: 4th year and graduates.
Lecture: time to be arranged

L. T. Hwang

Philosophy 29-30 Logical Problems in Contemporary Philosophy Credits 2-2

An advanced study of the logical problems in contemporary philosophy with the view to stimulating the students to find out their own solutions for certain philosophical problems of to-day.

Prerequisite: pre-supposing its preceding course

Elective: graduates

Lecture: time to be arranged

L. T. Hwang

Philosophy 81-82 Theory of Aesthetics Credits 2-2

All the historical schools and contemporary theories will be studied. Independent thinking will be encouraged.

Prerequisite: pre-supposing its preceding course

Elective: graduates

Lecture: time to be arranged

Y. C. Dun

DEPARTMENT OF PHYSICS

Y. M. Hsieh, M.A., Ph. D. *Assistant Professor and Chairman.*
D. K. Yang, B. S., M. S. *Assistant Professor*
William Band, B.S., M.S. *Instructor*

SECTION A

Physics 201 Graduate Research Credits to be arranged

To graduate students with the necessary training who desire to undertake original work the Department offers its facilities of equipment and direction. In the case of students without research experience an attempt will be made to teach the fundamentals of method and technique. Instruction entirely informal.

Lecture: Time to be arranged.

Physics staff

Physics 202 Graduate Research Credits to be arranged

For description of the course and conditions of election see Physics 201.

Laboratory: Time to be arranged.

Physics staff

SECTION B

Physics 101 Analytical Mechanics I. Credits 4

Statics, kinematics and the kinetics of particles and rigid bodies.

Prerequisite: Physics 5-6 and Calculus

Lecture: MWF 8:00, B115

Laboratory: W 1:30-4:30 B 122

Mr. Hsieh

Physics 103 Mathematical Physics I. Credits 3

An introductory course on the application of mathematics to Physics, with practice in the solution of problems.

Prerequisite: Physics 5,6,7 and calculus.

Lecture: MWF 9:30 B115

Mr. Band

Physics 105 Vector Analysis Credits 3

Elements of vector algebra and calculus and the linear vector function in three dimensions.

Prerequisite: Physics 5,6, and calculus.

Lecture: Time to be arranged.

Mr. Band

Physics 107 The Principle of Relativity I. Credits 3

Historical introduction. The restricted theory as formulated by Einstein and Minkowski, with applications to dynamics, gravitation and electricity. The general theory of relativity; its application to gravitation and optical phenomena; its extension to continuous media.

Prerequisite: Physics 5,6,7 and calculus.

Required: To be elected with the permission of the instructor.

Lecture: Time to be arranged.

Mr. Band

Physics 111 Molecular Physics and Heat Credits 4

Viscosity, capillarity, diffusion, change of state, the simple kinetic theory, and an introduction to thermodynamics

Prerequisite: Physics 5,6 and calculus

Lecture: MWF 10:30, B115

Laboratory: W 1:30-4:30 B114.

Mr. Hsieh

Physics 115 Thermodynamics Credits 3

The principles of thermodynamics and their application to physical and chemical processes.

Prerequisite: Physics 5-6, and calculus, Physics 111 desirable

Lecture: MWF 10:30 B115.

Mr. Yang

Physics 131 Advanced Optics Credits 4

The more important optical phenomena and their fundamental theory. One lecture and six laboratory hours.

Prerequisite: Physics 5-6, and calculus

Lecture: Th 10:30

Laboratory: TF 1:30-4:30 B114.

Mr. Hsieh

Physics 141 Advanced Electricity and Magnetism. Credits 3

Electrostatics, electrokinetics and magnetism.

Prerequisite: Physics 5,6,7 and calculus.

Required: Registration in Physics 142

Lecture: MWF 11:30 B115.

Mr. Yang

Physics 142 Direct Current Electrical Measurements Credits 3

Prerequisite: As for Physics 141 with registration in the latter course.

Laboratory: TTh 1:30-4:30 B103.

Mr. Yang

Physics 151 Modern Developments in Physics Credits 4

Conduction of electricity in gases, thermionics, photoelectricity, X-rays and atomic structure.

Prerequisite: Physics 5,6,7 and calculus.

Lecture: TTh 1:30.

Laboratory: TTh 2:30-4:30 B103.

Mr. Hsieh

Physics 161-162 Physics Journal Club Credits 1-1

This organization, consisting of all instructors and graduate and advanced students, meets weekly, for the review and discussion of the current literature in this department of study.

Prerequisite: Two years of physics.

Lecture: Time to be arranged.

Physics staff

DEPARTMENT OF POLITICAL SCIENCE

Shuhsi Hsü, Ph. D. *Professor and Chairman*
 Minchou Y. K. Kuo, LL. B. (Formerly
 Judge of the Supreme Court) . *Professor*
 Lü Fu (Formerly Member of Parlia-
 ment) *Professor*
 Pan Chang-hsü, Hanlin Academy, LL.
 B. (Formerly Senior Judge of the
 Supreme Court) *Professor*
 Chao Chuan, *Licencié en Droit* *Lecturer*
 Louis R. O. Bevan, M.A., LL. B. *Honorary Lecturer*

(a) Politics and Administration

Political Science 11-12 The Constitution Credits 3-3

A historical and comparative study of the constitution of modern states followed by a discussion as to what kind of a constitution China may adopt in the future.

T Th S 10:30 M122. Mr. Lü

Political Science 13-14 Chinese Political Institutions Credits 3-3

A systematic study of the organic laws of various dynasties with a special emphasis upon the causes of their variations.

M W F 11:30 M122. Mr. Lü

Political Science 15-16 Chinese Local Government Credits 3-3

The organization and administration of Chinese local government up to the present time and their comparison with those of other nations.

M W F 11:30 M122. Mr. Lü

Political Science 21-22 Administrative Law Credits 3-3

A study of the Chinese administrative law side by side with the principles of administrative law in the leading Western countries and Japan.

M W F 2:30 M126. Mr. Pan

*Political Science 31-32 Chinese Political Theory Credits 2-2

Chinese political theories and their relation to the government of the periods in which they are formulated.

Mr. Lü

(b) International Law and Diplomacy

Political Science 41-42 International Law Credits 3-3

The historical development and practical application of the rules governing the intercourse of nations at the present day.

M W F 10:30 M126. Mr. Hsü

*Political Science 45-46 International Law Cases Credits 2-2

Mr. Hsü

Political Science 47-48 Diplomatic Practice Credits 2-2

Diplomacy in general; diplomatic agents; international meetings and transactions.

W 8 and 9:30 M122. Mr. Chao

Political Science 51-52 Foreign Relations Credits 3-3

Problems arising from the special basis on which Sino-foreign relations have been regulated and from the political expansion especially of the neighboring Powers at the expense of China.

M W F 11:30 M126. Mr. Hsü

(c) Jurisprudence

Political Science 63-64 Roman Law Credits 2-2

The historical development of Roman law, law of persons, law of things, of obligations and of succession.

M 8 and 9:30 M122. Mr. Bevan

Political Science 69-70 Legal History and Theory Credits 1-1

F 8 M126. Mr. Kuo

Political Science 71-72 Civil Law I Credits 3-3

This and the following course form a comprehensive study of the Chinese Civil Law from both the theoretical and practical points of view. The present course will cover the following three parts: (a) General Provisions (b) Family Law and (c) Law of Succession.

T Th S 8 M126. Mr. Kuo

Political Science 73-74 Civil Law II Credits 3-3

A continuation of Civil Law I, covering the remaining parts of the Civil Law: (d) Law of Obligations and (e) Law of Things.

T Th S 9:30 M126. Mr. Kuo

*Political Science 77-78 Conflict of Laws Credits 2-2

This course deals with a body of rules governing the application of foreign private laws in national court. It is more commonly known in Continental Europe as international private law.

Mr. Kuo

DEPARTMENT OF PSYCHOLOGY

C. W. Luh, Ph. D. *Professor and Chairman*
T. T. Lew, M.A., B.D., Ph. D., T.S.D.,
D.D., *Professor*
R. C. Sailer, M.A. *Assistant Professor*

SECTION A

Psychology 205-206 Systematic Psychology Credits 2-2

Systematic study of the theoretical basis of some representative schools.

Prerequisite: 10 credits in Psychology.
(Given 1929-30 and alternate years.) S. 8:00-10:00 Mr. Luh

Psychology 219 Advanced Course in Intelligence Credits 3

More detailed treatment of the theories of intelligence and of construction and correlation technique.

Prerequisite: Psychology 118 and evidence of adequate mathematical ability.
(Given 1928-29 and alternate years.) Mr. Sailer

Psychology 220 Personality Credits 3

A comprehensive study of the theories of and the experiments on personality. Emphasis on its will-temperament side.

Prerequisite: Psychology 118.
(Given 1928-29 and alternate years.) Mr. Sailer

Psychology 258 Learning and Memory Credits 3

A survey of the experimental literature on learning and memory. Some crucial experiments may be performed.

Prerequisite: Psychology 5-6, 103, 117; Biology 1-2
(Not given 1929-1930) Mr. Lew and Mr. Luh

Psychology 293-294 Psychological Problems Credits 1 to 3

Every student is required to take up an individual problem on which he writes his Master's thesis. Psychology Staff

SECTION B

Psychology 111 Advanced Experimental Psychology Credits 3

Continuation of Psychology 5. Special emphasis on the reading of original literature. Discussion and experiment to center around a few main topics.

Prerequisite: Psychology 5 and 6.

Lecture: M. W. F. 9:30

Laboratory: Hours to be arranged

Mr. Luh

Psychology 112 Advanced Experimental Psychology Credits 3

Continuation of Psychology 6,

Prerequisite: Psychology 5 and 6.

Lecture: M. W. F. 9:30

Laboratory: Hours to be arranged

Mr. Luh

Psychology 155-156 Advanced Educational Psychology Credits 2-2

Prerequisite: Psychology 1-2 or Education 15-16.

Mr. Lew

Lecture: W. F. 9:30

Mr. Lew

Psychology 161 Animal Psychology Credits 3 or 4

A comparative study of the behavior of the vertebrates, especially in its relation to human behavior.

Prerequisite: Psychology 5 and 6 and Biology 4.

(Not given 1929-1930)

Psychology 172 The Neurological Basis of Psychology Credits 3 or 4

Elementary study of the anatomy and physiology of the vertebrate nervous system, emphasizing its bearing on human and animal psychology.

Prerequisite: Psychology 5 and 6, Biology 4.

(Given second semester 1928-29 and alternate years.)

Mr. Luh

Psychology 182 Psychology of Religion Credits 1-1

Discussion will center around the nature of religion and of religious processes from the psychological standpoint.

Prerequisite: Psychology 1-2 or equivalent.

Lecture: W. F. 11:30

Mr. Lew

Psychology 191 Journal Club Credits 1 for each semester

The staff and students will give reports on current literature.

Prerequisite: At least 10 credits in Psychology. Psychology Staff

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DEPARTMENT OF SOCIOLOGY
AND SOCIAL WORK

L. S. Hsu, Ll. B., Ph. D. *Professor and Chairman*
Jane I Newell, Ph. D. *Visiting Professor*
W. T. Wu, Ph. D. *Assistant Professor*
M. S. Stewart, M. A. *Instructor*

J. B. Grant, M. D., D. P. H. *Honorary Lecturer*
Ida Pruitt, B. A., B. S. *Honorary Lecturer*
R. L. Forbes, B. A. *Honorary Lecturer*

SECTION A

Sociology 201-2 Seminar in Social Theory Credits 2-2
An analytical study of some types of sociological theories; subject varies from year to year. Offered even year.

Prerequisite: Sociology 1-2; 51-52; 101-102.
Elective: 4, 5. W. T. Wu

Sociology 203 History and interrelations Credits 3
of Social Sciences

An analytic study of the history, methods, problems, and the scope of enquiry of the various social sciences including sociology, social psychology, anthropology, history.
Offered even year, second semester.

Prerequisite: Sociology 1-2; 101-102.
Elective: 4, 5. Leonard Hsü

Sociology 205-6 Journal and Bibliographical Club Credits 2-2

Individual reports on articles in current sociological journals, and on life and writings of contemporary sociologists.
Offered every year.

Prerequisite: Sociology 1-2; 101-102.
Elective: 4, 5. W. T. Wu

Sociology 207-8 Social Ideals of Literature Credits 2-2

An evaluation of the social ideal in modern literature. There will be an attempt to ascertain and appreciate the contribution of literature toward the understanding and solution of social problems through the study of Tolstoi, Rolland, Morris, Wells and Galsworthy.

Time to be announced later.
Elective: 4, 5. M. Stewart

Sociology 209-210 Seminar in Social Anthropology Credits 2-2

Methods and problems of anthropological research in social customs, religion, art, mythology, etc.

Time to be announced later.
Prerequisite: 1-2; 3; 111-112.
Elective: 4, 5. W. T. Wu

Sociology 207 Sex Sociology Credits 3

A survey of those problems that have developed from the social differentiation of sex.

Offered even year, second semester.
Prerequisite: 1-2; 101-102.
Elective: 4, 5. J. I. Newell

Sociology 213 Seminar in Social Problems Credits 3

An intensive study of some special social problems. Gathering of source materials is emphasized.

Date to be announced later.
Prerequisite: Sociology 1-2; 51-52.
Elective: 4, 5. Heonard Hsü

Sociology 215 Social Legislation Credits 3

The course attempts to give an introduction to sociological jurisprudence through a general study of the grounds and limits of social control by law and a detailed examination of the content and principles of specific laws—especially laws concerning child labour, minimum wage, mother's aid, and various types of compulsory insurance.

Offered even year, first semester.
Prerequisite: Sociology 1-2; 51-52.
Elective: 4, 5. J. I. Newell

Sociology 217-218 Modern Social Movements Credits 2-2

A study of the various theories of socio-economic reconstruction as embodied in certain major social democratic movements in the present century, with special reference to China. Offered even year.

Prerequisite: Sociology 1-2; 51-52.

Elective: 4, 5.

M. Stewart

Sociology 219 Advanced Social Survey Credits 3

Critical analysis of the various famous surveys in Europe and America. The planning of a detailed and comprehensive survey.

Date to be announced later.

Prerequisite: Sociology 133.

Elective: 4, 5.

Cato Yang

Sociology 220 Advanced Social Statistics Credits 3

Statistical analysis of population quantity, growth, composition, migration, births, deaths, morbidity, marriage, crime, poverty, etc.

Date to be announced later.

Prerequisite: Sociology 135.

Elective: 4, 5.

Cato Yang

Sociology 221 Social Work in Industry Credits 3

A study of the individual welfare problems arising out of modern industrial organization—such as housing, health, education and recreation of industrial workers—based upon surveys of present conditions, especially in China; and an examination of various non-legislational methods of meeting these problems.

Prerequisite: 1-2; 51-52; 53-54.

Elective: 4, 5.

J. I. Newell

SECTION B

Sociology 101-2 History of Social Thought Credits 3-3

A survey of the social thinking of Greece, Rome, Europe and America including the development of the movement for the scientific study of human society from the days of Comte and Spencer to the present. Special attention will be paid to source materials.

Offered every year.

Prerequisite: Sociology 1-2.

Required: Major in Theoretical Sociology.

Elective: 3, 4, 5.

W. T. Wu

Sociology 103 Chinese Social Thought Credits 3

A general survey of the social thought of Chinese scholars from Lao Tzu and Confucius to present-day writers.

Offered even year, second semester.

Prerequisite: Sociology 1-2; 101.

Required: Major in Theoretical Sociology.

Elective: 3, 4, 5.

W. T. Wu

Sociology 104 Social Ethics Credits 2

A survey of the ethical questions connected with such social questions as marriage and sex, war and peace, industrial control, etc.

Offered odd year, second semester.

Prerequisite: Sociology 1-2; 51-52.

Elective: 3, 4, 5.

J. S. Ward

Sociology 105 Social Teachings of Christian Thinkers Credits 3

A general survey of the social teachings of Jesus, the Prophets and Paul, and of prominent Christian thinkers in the modern age.

Offered even year, first semester.

Prerequisite: Sociology 1-2.

Elective: 3, 4, 5.

J. S. Burgess

Sociology 106 Modern Social Problems and
Christian Ideals Credits 3

A survey of international, inter-racial and industrial problems from the standpoint of Christian ethics.

Offered even year, second semester.

Prerequisite: Sociology 1-2.

Elective: 3, 4, 5.

J. S. Burgess

Sociology 107 Readings in Sociology Credits 2

Special lines of reading in the field of social theory or social institutions will be outlined in this course to meet the needs of individual students.

Offered every semester.

Prerequisite: Sociology 1-2; 51-52.

Elective: 3, 4, 5.

Leonard Hsü

Sociology 110 Theories of Social Progress Credits 3

The nature of progress; its tests, conditions and factors. A study of the trend of social change as influenced by geographic and technical environment; by heredity and race; by social attitudes and forms of association. Emphasis is laid on the discovery of principles with a view to enabling the student to work out his own philosophy of progress and to find norms whereby to judge the value and tendency of social movements.

Offered odd year, first semester.

Prerequisite: Sociology 1-2.

Elective: 3, 4, 5.

J. I. Newell

Sociology 111-112 Advanced Social Anthropology Credits 2-2

An advanced study of primitive culture. Either one of the following topics will be treated in detail:—primitive social organizations, primitive morality and law, folk-lore and mythology, primitive religion, primitive art, and primitive mentality. Date to be announced later.

Prerequisite: Sociology 3.

Elective: 3, 4, 5.

W. T. Wu

Sociology 113 Race Relations Credits 2

A study of race contact including the forces of contact, the resultant cultural transformation, the struggle for existence, and the economic and social problems between the races, with special reference to China.

Offered even year, first semester.

Prerequisite: Sociology 1-2; 3; 51-2.

Elective: 3, 4, 5.

J. S. Burgess

Sociology 115-116 Physical Anthropology Credits 2-2

Offered odd year.

Prerequisite: Sociology 1-2; 3.

Elective: 3,4,5.

W. T. Wu

Sociology 121 Population Credits 3

The dynamics of population; factors affecting birthrates and death rates and migrations. The problem of over-population, its effect upon nationalism and imperialism, and its conscious control through national group action; with special reference to China.

Offered odd year, second semester.

Prerequisite: Sociology 1-2; 51-52.

Elective: 3, 4, 5.

Leonard Hsü

Sociology 122 Family Credits 3

A study of the evolution of the family and problems of contemporary family life with special emphasis on China.

Offered every year, second semester.

Prerequisite: Sociology 1-2; 51-52.

Elective: 3, 4, 5.

W. T. Wu

Sociology 123 Poverty and Poor Relief Credits 3

A study of the causes of poverty and dependency, the present-day machinery and methods for the relief of dependents including a critical discussion of the various preventive measures.

Offered every year, first semester.

Prerequisite: Sociology 1-2; 51-2.

Required: Major in Applied Sociology and Social Work.

Elective: 3, 4, 5,

H. C. Chang

Sociology 124 Criminology and Penology Credits 3

A study of the causes of crime and delinquency, the theories of punishment, modern penal institutions and the machinery of justice.

Offered every year, second semester.

Prerequisite: Sociology 1-2;

Required: Major in Social Work.

Elective: 3, 4, 5.

C. Y. Yen

Sociology 126 Social Leadership Credits 3

Date to be specially announced.

Prerequisite: Sociology 1-2.

Elective: 3, 4, 5.

Sociology 127 Urban Sociology Credits 3

Date to be specially announced.

Prerequisite: Sociology 1-2.

Elective: 3, 4, 5.

J. I. Newell

Sociology 129 Rural Sociology Credits 3

An analysis of the rural community; its nature, development, population, environment, social contact, social interest, and social institutions. The organization and leadership of the rural community are also considered in the course.

Prerequisite: Sociology 1-2.

Elective: 3, 4, 5.

Cato Yang

Sociology 130 Rural Social Problems Credits 3

A general treatment of the rural social problem; its nature, extent, causes and treatment. Policies and programmes will be dealt with in detail.

Offered even year, second semester.

Prerequisite: Sociology 1-2: 129.

Elective: 3, 4, 5.

Cato Yang

Sociology 133 Social Survey Credits 3

The planning, organization and supervision of social surveys; emphasizes the survey outline, survey schedule, survey interview.

Offered every year, first semester.

Prerequisite: Sociology 1-2; 51-2.

Required: Major in Applied Sociology and Social Work.

Elective: 3, 4, 5.

H. C. Chang

Sociology 135 Social Statistics Credits 3

Statistical methods applied to social research; transcription, tabulation, graphic presentation, calculation of averages and dispersion, comparison and correlation.

Offered every year, first semester.

Prerequisite: Sociology 1-2.

Required: Major in Sociology and Social Work.

Elective: 3, 4, 5.

M. Stewart

Sociology 144 Undergraduate Field Work Credits 3

Supervised practical field work to be arranged to meet the needs of the individual students, as far as opportunities permit.

Offered every semester.

Prerequisite: Sociology 1-2; 5-52; 53-54; 55; 133; 135.

Elective: 3, 4, 5.

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Sociology 139 Case Work Methods Credits 2

Development of the principles and methods in modern case work; examination of actual case records, as applicable to medical, family or child welfare, and other forms of public or private social service; and the study of interviewing and case studies as fundamental to much of community organization and research.

Offered every year, first semester.

Prerequisite: Sociology 1-2; 51-52; 122.

Required: Major in Social Work.

Elective: 3, 4, 5.

Ida Pruitt

Sociology 140 Medical Social Service Credits 2

The history and development of medical social service; the medical needs of society; the social worker's response to that need; methods of using the community, especially hospitals and dispensaries; discussions of main social diseases, especially tuberculosis and syphilis; the psychology of the sick, and the scope of medical service in relation to hospital, patient and community.

Offered every year, second semester.

Prerequisite: Sociology 1-2; 51-2.

Elective: 3, 4, 5.

Ida Pruitt

Sociology 141 Public Health Credits 2

This course includes a study of the health conditions in China in comparison with the conditions in other countries, the problems of health, methods of health survey, sanitary administration, and the relation of health and social work.

Offered odd year, first semester.

Prerequisite: Sociology 1-2; 51-52.

Elective: 3, 4, 5.

Dr. J. B. Grant

Sociology 142

Recreation and Play

Credits 2

Theory of play and recreation; its place in the life of the individual and community; types of recreation adopted to different types of people. Methods of provision of recreational facilities. Practice in playing different kinds of games, individual, group and competitive.

Offered odd year, second semester.

Prerequisite: Sociology 1-2; 51-52.

Elective: 3, 4, 5.

R. I. Forbes

Sociology 143

Child Welfare

Credits 3

A study of the principles of child welfare and of the problems involved in meeting social obligations to childhood-child mortality, child health, play and recreation, child labour, juvenile delinquency, etc.

Offered even year, first semester.

Elective: 3, 4, 5.

Camilla Mills.

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