

UNIVERSITY OF HAWAII BULLETIN

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**UNIVERSITY OF HAWAII
LIBRARY**

**Announcement
of
Graduate Studies, 1947-48**

PUBLISHED BY THE UNIVERSITY

UNIVERSITY CALENDAR

1947

Sept. 18, Thursday	}	. . . . .	Registration of graduate students
Sept. 19, Friday			
Sept. 20, Saturday		. . . . .	Regatta Day (holiday)
Sept. 23, Tuesday		. . . . .	Instruction begins
Nov. 11, Tuesday		. . . . .	Armistice Day (holiday)
Nov. 27, Thursday	}	. . . . .	Thanksgiving recess
through			
Nov. 29, Saturday			
Dec. 20, Saturday		. . . . .	Last day of instruction before Christmas recess

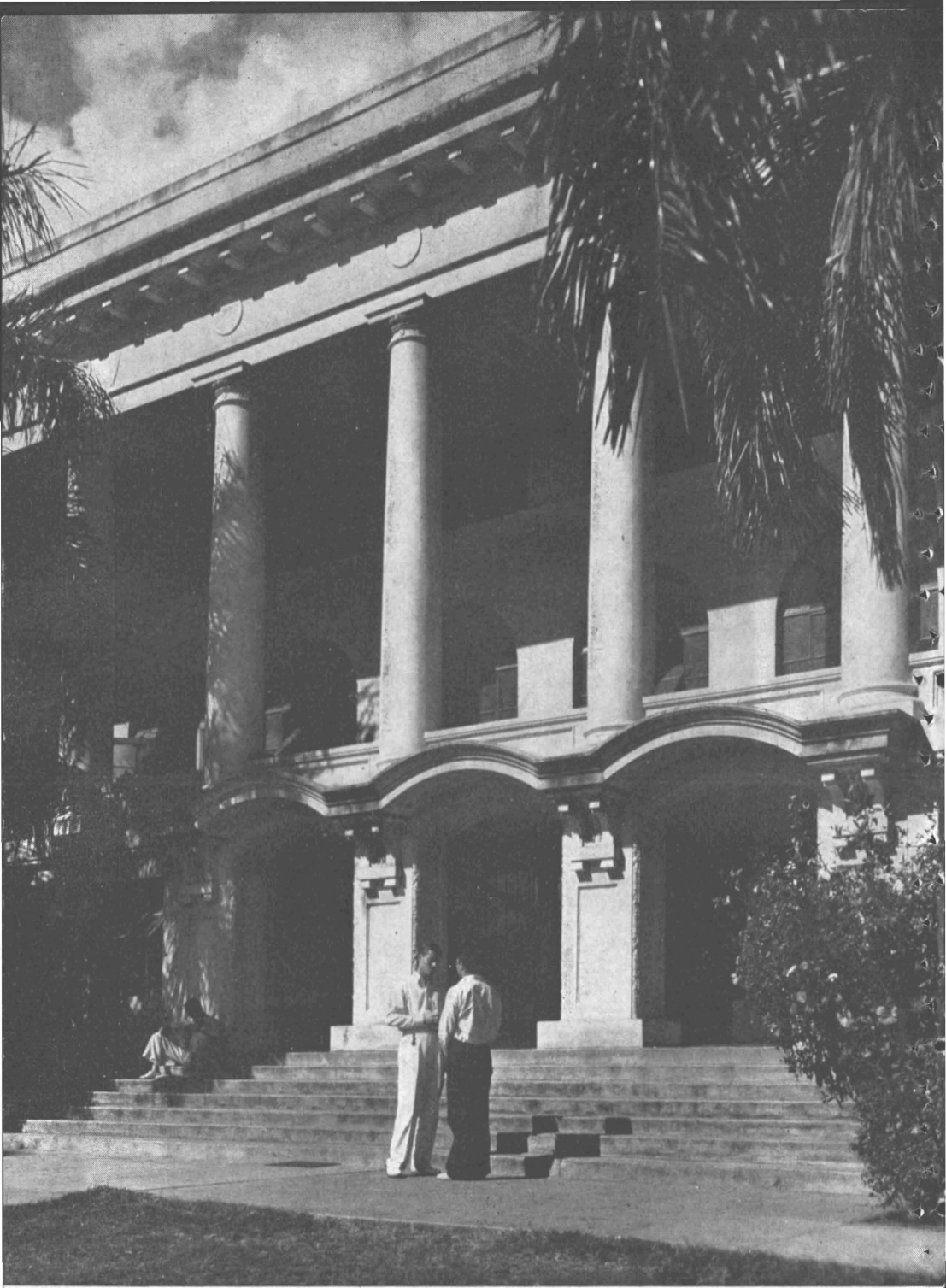
1948

Jan. 5, Monday		. . . . .	Instruction resumes
Jan. 24, Saturday		. . . . .	Last day of instruction in First Semester
Jan. 26, Monday		. . . . .	Final examinations begin
Jan. 30, Friday		. . . . .	Franklin Roosevelt's Birthday (holiday)
Feb. 3, Tuesday		. . . . .	First Semester ends
Feb. 11, Wednesday		. . . . .	Registration for the Second Semester
Feb. 12, Thursday		. . . . .	Lincoln's Birthday (holiday)
Feb. 13, Friday		. . . . .	Instruction begins
Feb. 23, Monday		. . . . .	Legal holiday following Washington's Birthday
May 31, Monday		. . . . .	Legal holiday following Memorial Day
Mar. 25, Thursday		. . . . .	Charter Day
Apr. 2, Friday	}	. . . . .	Easter recess
Apr. 3, Saturday			
May 31, Monday		. . . . .	Legal holiday following Memorial Day
June 3, Thursday		. . . . .	Last day of instruction in Second Semester
June 3, Thursday		. . . . .	Last day for Master's Examination
June 11, Friday		Kamehameha Day (holiday)
June 12, Saturday		Second Semester ends
June 16, Wednesday		Commencement

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The Library

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Campus Mall



GRADUATE STUDY IN THE UNIVERSITY OF HAWAII

THE University of Hawaii offers opportunities for graduate study and research leading to the master's degree in anthropology, bacteriology, botany, chemistry, economics and business, education, English, entomology, Far Eastern studies, genetics, government, history, nutrition, philosophy, physics, psychology, sociology, soil science, speech, and zoology. Graduate study toward the doctor of philosophy degree is limited to those sciences basic to tropical agriculture.

In certain of these fields the opportunities are unusual. The mingling in the Territory of peoples of the Occident, the Orient, and the South Seas offers unusual opportunities for the first-hand study of racial and cultural contacts. The cooperative organization of the sugar and pineapple industries permits research in the various phases of large-scale production as applied to agriculture. The location of the islands offers students of marine biology a natural laboratory for the study of marine life in the tropics. In the field of education the racial composition of the school population and experiments in progressive education being conducted in the schools of the Territory afford numerous opportunities for interesting and valuable studies. For graduate work in the physical and biological sciences relating to tropical agriculture, the University's instructional personnel and laboratory equipment are supplemented by the staffs and facilities of research organizations cooperating with the University. These cooperating institutions are: the experiment station of the Hawaiian Sugar Planters' Association, the experiment station of the Pineapple Producers Cooperative Association, the Hawaii Agricultural Experiment Station, under the direction of the University, and the Bernice P. Bishop Museum, with its extensive collections of Hawaiian and South Pacific plants and insects.

The University emphasizes the study of the cultures and the civilizations of the Pacific and the Far East. Work in this field is organized under the School of Pacific and Asiatic Studies. Special facilities for the study of Oriental languages and for the translation of source material are available at the University.

For the teacher, administrator, missionary, journalist, or research worker whose interests lie in Pacific and Asiatic countries, graduate study in the University affords an excellent opportunity to acquire the basic knowledge necessary to his profession.

LIBRARIES

The University Library contains approximately 177,942 bound volumes and 378,292 unbound parts and pamphlets. Special effort has been

made to collect research materials relating to the Pacific and the Far East. Publications in Chinese, Japanese, and Russian are catalogued in English, and translation facilities are obtainable.

Other libraries available to the graduate student are the Library of Hawaii, a general public library containing much valuable material; the library of the Bishop Museum, valuable for Polynesian history and culture; the Carter Library of Hawaiian history; the Territorial Archives; and the libraries of the Hawaiian Sugar Planters' Association and the Pineapple Producers Cooperative Association, which are of special importance to students of tropical agriculture. In addition, the Hawaiian Volcano Observatory at Kilauea Crater has a good collection of publications relating to volcanology and seismology. Efforts have been made by these libraries to avoid needless duplication in their respective collections.

GRADUATE STUDY IN THE SUMMER SESSIONS

A six-week session from late June to early August affords opportunity for graduate work in the summer. Candidates for the master of education degree may find it possible to complete most of their requirements by attending summer sessions.

ADMISSION

Admission to the Graduate Division is granted to graduates of accredited colleges and universities. Application for admission should be made to the Dean of the Graduate Division and should be accompanied by an official transcript of undergraduate record and of any graduate work completed at any other institution. Admission is provisional until such records are on file. These transcripts become a permanent part of the University files.

Admission to the Graduate Division does not imply admission to candidacy for an advanced degree. Such admission is granted only after a committee representing the department in which the candidate proposes to work for an advanced degree is satisfied as to the adequacy of his undergraduate preparation and his probable ability to pursue graduate work successfully.

No student will be considered for admission to candidacy for an advanced degree unless he can meet the following requirements:

- (1) Ability to use written English effectively as demonstrated by grades in undergraduate courses in English composition or by a special examination conducted by the University English Department.
- (2) An adequate undergraduate background in the major and minor fields in which the master's degree is to be taken.

- (3) A good undergraduate scholastic record, with a grade of *B* or better in undergraduate courses in the major field or with an average grade of at least *B* in all courses carried in the junior and senior years.

Graduate students not interested in earning an advanced degree and those working for the professional certificate issued by the Territorial Department of Public Instruction need not meet the requirements for admission to candidacy.

The Graduate Division reserves the right to deny at any time further registration to any student whose work is not of a grade sufficiently high to warrant continuation.

Graduate work completed at other institutions may be accepted as fulfilling part of the requirements for an advanced degree. For the master's degree, the maximum amount which may be accepted is eight semester hours.

Seniors in the University of Hawaii may carry a limited amount of graduate work during their last semester as undergraduates provided that the total number of credit hours for which they are registered during that semester does not exceed sixteen.

No extension course may be counted toward an advanced degree.

REGISTRATION AND GRADES

Graduate students may not register for more than sixteen credit hours in any semester, or for more than six credit hours in a six-week summer session. The number of credit hours which may be carried by student assistants is limited by the nature of their duties.

A grade of *B* or better must be obtained in a course numbered 200 to 299 if it is to be credited toward an advanced degree. Work in courses numbered 300 to 399 is graded *H* (Honors), *S* (Satisfactory), or *U* (Unsatisfactory). No credit is granted in thesis research courses (number 400 in each field) until the thesis has been accepted. Failure to make satisfactory progress on a thesis is not a basis for a valid claim to a refund of tuition fees.

Candidates for advanced degrees failing to complete successfully two or more courses taken after admission to candidacy are automatically dropped from candidacy.

REQUIREMENTS FOR ADVANCED DEGREES

THE MASTER'S DEGREE

The University awards three master's degrees: the master of arts, the master of science, and the master of education.

The minimum period of residence is one academic year or four six-week summer sessions. All credits applying toward the master's degree

must be obtained within the five years preceding the date on which the degree is granted. Candidates failing to obtain the degree within five years after admission to candidacy must again qualify for candidacy.

Thirty semester hours of graduate study are required for the master's degree. All work connected with the thesis must be registered for as thesis research (course number 400 in each major field). A maximum of six semester hours may be earned in the thesis research course, except in the natural and physical sciences, where a maximum of twelve hours is allowed. In courses numbered 200 to 299 additional work may be required and a grade of *A* or *B* must be earned. All of the course work taken by the candidate should be in his major field of interest or in related courses in closely allied fields. A reading knowledge of a foreign language is required in certain fields and, at the discretion of the qualifying committee, may be required of candidates in other fields.

Students admitted to candidacy after September 1, 1947, must take at least one seminar relating to their major fields and a course in methods of research and thesis writing. They are likewise restricted to four semester hours in courses in directed reading and in research, other than thesis research.

A thesis is required of all candidates for the master's degree. The thesis should deal with a topic within the field of the major. It must be written in acceptable English and show evidence of ability to pursue research intelligently and to arrive at logical conclusions. The topic must be approved by the committee which admits the student to candidacy and by the Graduate Council. Only after these approvals have been granted and the candidate has registered for the thesis research course is a committee appointed to supervise the preparation of the thesis. A candidate expecting to receive the master's degree in June must submit copies of the completed thesis to the members of his committee for final checking by May 15. Instructions on the form of the thesis may be obtained from the Dean of the Graduate Division.

Candidates must notify the Dean of the Graduate Division at the beginning of the semester or term in which they expect to receive their degrees.

Arrangements for the final examination should be made at least one month prior to the end of the semester or summer session in which the candidate expects to receive the degree. The examination is conducted by the members of the candidate's advisory committee and any other persons especially designated. It is open to all faculty members. The examination is on the thesis, but may cover any fundamental knowledge required for the research work or necessary to the conclusions reached. If the results of the examination are satisfactory, a typewritten copy of the thesis and a carbon copy, both signed by the members of the examina-

ing committee, must be deposited in the Library to become the permanent property of the University. A fee for the binding of both copies must be paid to the University Business Office.

THE DOCTOR OF PHILOSOPHY DEGREE

Candidates for the doctor of philosophy degree are accepted only in those sciences basic to tropical agriculture.

For this degree the student is required to spend three academic years in graduate study, at least one year of which must be at the University of Hawaii, and one year in an accredited mainland graduate school; to complete satisfactorily a program of research and study prescribed by the committee in charge of his candidacy; and to pass certain examinations. A qualifying general examination, which includes a test of reading knowledge of both French and German, must be passed at least one academic year (nine months) prior to the awarding of the degree; a student will not be considered a candidate for the doctor's degree until he has passed this examination. The candidate must write a doctor's dissertation and, in the final examination, present and defend it.

REQUIREMENTS FOR THE PROFESSIONAL CERTIFICATE

The Territorial Department of Public Instruction has fixed the following requirements for the professional certificate which it grants in recognition of graduate work done by teachers in service: thirty hours of graduate credit, of which at least ten hours must be earned in courses primarily for graduates and including philosophy of education, history of education, advanced educational psychology, and educational administration. Of the remaining credits, eight may be obtained in extension courses, provided a grade of *A* or *B* is received.

REQUIREMENTS FOR THE SOCIAL WORK CERTIFICATE

Admission to the School of Social Work is limited to graduate students. Candidates for the certificate of social work should have an undergraduate major in economics, government, psychology, or sociology.

Applicants from the University of Hawaii are expected to have taken as undergraduates introduction to social work and a basic course in anthropology. Applicants must be approved by an Admissions Committee. Applicants from islands other than Oahu or from outside the Territory will be interviewed by a person or persons selected by the Director of the School of Social Work, residing in the applicant's community. In passing on applicants, the Committee considers personal qualities necessary in the practice of social work, scholarship record, physical and mental health, and preprofessional training or experience.

The number of field work assignments is limited; late applicants may be rejected because of the difficulty in arranging such assignments.

Two semesters of field work are required of regularly enrolled students, and it is expected that they will take social case work concurrently with their field work. Field work consists of 225 clock hours a semester of supervised case work in an approved social agency.

Additional information and application forms may be obtained from the Director of the School of Social Work, University of Hawaii.

TUITION AND FEES

Tuition and registration fees for graduate students are the same as those for undergraduates. Students registered for ten or more credit hours in any semester pay \$50 for tuition and \$10 for registration per semester. Students registered for fewer than ten credit hours in any semester and all students in summer sessions pay \$5.00 per credit hour. Laboratory fees, which are charged in many courses in the biological and physical sciences, vary with the individual course. Other fees include a \$5.00 diploma fee and a \$4.00 fee for the binding of the thesis or dissertation.

LIVING ACCOMMODATIONS AND EXPENSES

Satisfactory housing accommodations are still at a high premium in Honolulu, and prospective students are advised to make the necessary arrangements for lodging prior to their arrival in the city. At the present time the University does not have facilities for housing graduate students. Veterans, eligible under the G.I. Bill of Rights, may apply to the Veterans' Adviser for admission to the quarters provided in former army barracks located on the campus. Moderately priced living accommodations in private homes near the University are sometimes available and prospective students may find it useful to apply to the Office of Student Personnel for such openings. The demand, however, is extremely great, and the University cannot assume responsibility for obtaining housing.

Meals, at reasonable prices, may be obtained at the University Cafeteria, situated in Hemenway Hall on the campus.

GRADUATE ASSISTANTSHIPS AND SCHOLARSHIPS

The University offers a number of assistantships to graduates of accredited institutions of higher learning who desire to pursue graduate study in the fields in which the University offers advanced degrees. Graduate assistants serve as readers or part-time laboratory assistants and are expected to carry a limited program of graduate study. They receive remuneration of \$1,290 for the academic year and are exempt from all tuition and fees. The period of service is from September 15 to June 15. Applications should be received by May 1. Each application should be accompanied by a transcript of academic record, a photograph, and a letter of recommendation from a professor under whom the applicant has taken courses in his major field.

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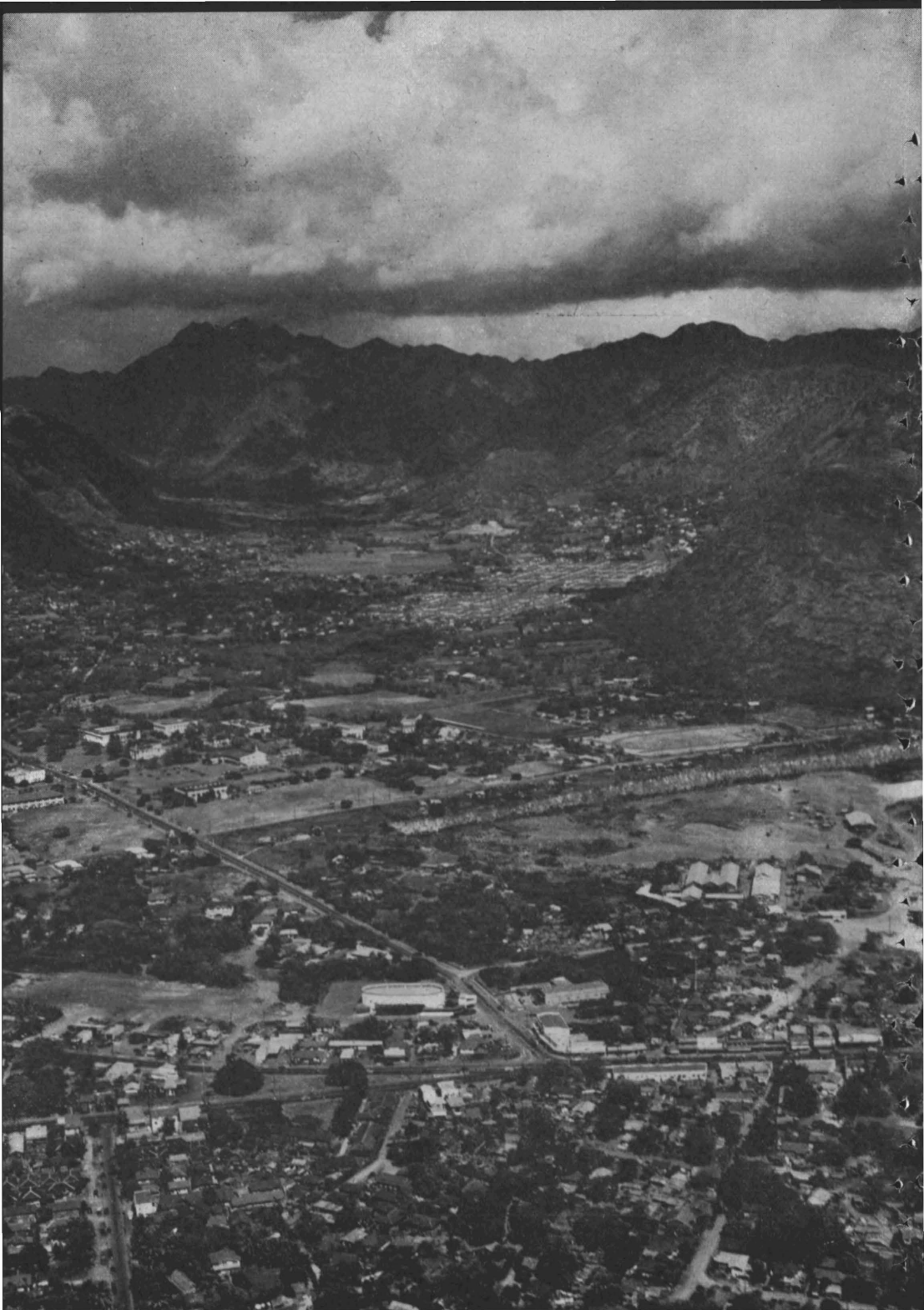
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The University Campus and Manoa Valley

THE FIELDS OF GRADUATE STUDY REQUIREMENTS AND COURSES

THE courses listed here numbered 200 to 299 are open to both graduates and undergraduates. Courses numbered 300 and higher are primarily for graduates.

Credit from courses not listed here may be applied toward an advanced degree only if the permission of the Dean of the Graduate Division is obtained.

AGRICULTURE

Requirements for admission to candidacy for the master's degree:

- (1) Undergraduate preparation. Candidates planning to specialize in plant sciences are required to have completed undergraduate credit in basic courses in botany, bacteriology, zoology, genetics, pomology, and soils. Candidates planning to specialize in soil science are required to have completed undergraduate credit in soils, organic, quantitative, and colloidal chemistry, plant physiology, general bacteriology, general physics, and college algebra.
- (2) An oral qualifying examination as soon as possible after registering as a graduate student.

The graduate program: Courses in agriculture to be selected from those listed below. Courses marked with an asterisk are required of students specializing in soil science. Those marked with a dagger are required of those specializing in plant sciences. In addition, Botany 268, Plant Microtechnique; Botany 269, Plant Anatomy; Botany 273-274, Biophysics, 275-276, Biochemistry, and a course in statistics, are required of students in plant sciences. Related courses in other fields may be taken with the approval of the chairman of the candidate's committee.

Agriculture

254	PRINCIPLES OF GENETICS	Mr. Mainland
	First semester; 3 credits	
267	SOIL ANALYSIS	Mr. Sherman
	Second semester; 3 credits (not offered 1947-48)	
268	SOIL DIAGNOSIS LABORATORY	Mr. Sherman
	Second semester; 2 credits (not offered 1947-48)	
291	IRRIGATION PRACTICE	Mr. Wadsworth
	Second semester; 4 credits	

300	DIRECTED RESEARCH Credits by arrangement	Mr. Storey, Mr. Beaumont, Mr. Frazier
*301	ADVANCED SOIL TECHNOLOGY First semester; 3 credits (not offered 1947-48)	Mr. Sherman
†302	ADVANCED GENETICS Credit by arrangement	Mr. Collins
*303	ADVANCED SOIL CLASSIFICATION Second semester; 3 credits (not offered 1947-48)	Mr. Sherman
*305	SOIL BIOTICS Second semester; 3 credits	Mr. Sherman
†400	THESIS RESEARCH Credit by arrangement	Staff

ANTHROPOLOGY

Requirements for admission to candidacy for the master's degree:

- (1) An introductory course in anthropology, together with a minimum of 15 additional undergraduate credits in anthropology or in sociology, history, and geography courses closely related to anthropology. A course in organic evolution and introductory courses in psychology and in zoology are also required.
- (2) An oral examination covering previous work in the field to be taken as soon as possible after becoming a graduate student.

The graduate program: Courses in the major to be selected from those listed below. Required courses are marked with an asterisk. A maximum of 6 credits may be earned in related courses in sociology, psychology, history, and government.

Anthropology

252	PEOPLES OF THE PACIFIC First semester; 3 credits	Mr. Emory
253	HAWAIIAN CULTURE Second semester; 3 credits	Mr. Emory
254	PEOPLES OF SOUTHERN ASIA First semester; 3 credits	Miss Luomala
255	PEOPLES OF NORTHERN ASIA Second semester; 3 credits	Miss Luomala
256	THE AMERICAN INDIAN First semester; 3 credits	Miss Luomala
*265	PRIMITIVE SOCIETY Second semester; 3 credits	Mr. Mason
*267	PRIMITIVE RELIGION (Not offered 1947-48)	Miss Luomala
268	PRIMITIVE ART (Not offered 1947-48)	Miss Luomala

269	FOLKLORE Second semester; 3 credits	Miss Luomala
300	DIRECTED READING OR RESEARCH Credit by arrangement	Staff
*400	THESIS RESEARCH Credit by arrangement	Staff

BACTERIOLOGY

Requirements for admission to candidacy for the master's degree:

- (1) A minimum of 18 undergraduate credits in bacteriology and in closely related biological science courses, including basic courses in bacteriology, zoology, and botany. In addition, the following undergraduate courses are required: general chemistry, organic chemistry, college physics, and a modern foreign language.
- (2) An oral examination covering previous work in the field to be taken as soon as possible after becoming a graduate student.

The graduate program: Courses in bacteriology to be selected from those listed below. Required courses are marked with an asterisk. In addition, the following related courses are required: Biochemistry, Parasitology, Statistical Methods. Other related courses recommended but not required are: Plant Pathology, Agricultural Chemistry, and Hematology.

Bacteriology

*250	ECONOMIC BACTERIOLOGY Year course; 2 credits each semester	Mr. Bushnell
*260	MEDICAL BACTERIOLOGY First semester; 3 credits	Mr. Hartmann
*262	LABORATORY IN MEDICAL BACTERIOLOGY First semester; 2 credits	Mr. Bushnell
*264	IMMUNOLOGY Second semester; 3 credits	Mr. Bushnell
*300	BACTERIOLOGICAL PROBLEMS First semester; credit by arrangement; repeated second semester	Mr. Bushnell, Mr. Hartmann
*400	THESIS RESEARCH Credit by arrangement	Staff

BOTANY

Requirements for admission to candidacy for the master's degree:

- (1) A minimum of 18 undergraduate credits in botany, including courses in mycology, physiology, plant pathology, or taxonomy, and anatomy or morphology. A course in bacteriology and one in inorganic chemistry are also required.

- (2) An oral examination covering previous work in this field, to be taken upon completion of one semester of graduate study.
- The graduate program: Courses in the major field to be selected from those listed below. Required courses are marked with an asterisk. A maximum of 6 credits may be earned in advanced courses in agriculture, anthropology, bacteriology, chemistry, geology, physics, and zoology. A knowledge of German, French, or Latin may be required. All candidates for the master's degree will be expected to enroll in the graduate seminar.

Botany

202	TAXONOMY AND EXPLORATION Second semester; 3 credits	Mr. St. John
253	PLANT ECOLOGY (Not offered 1947-48)	Mr. St. John
254	ADVANCED TAXONOMY First semester; 2 credits	Mr. St. John
258	ADVANCED MYCOLOGY (Not offered 1947-48)	Mr. Lohman
263	PLANT PATHOLOGY Second semester; 3 credits	Mr. Lohman
264	PLANT PATHOLOGY TECHNIQUE (Not offered 1947-48)	Mr. Lohman
268	PLANT MICROTECHNIQUE (Not offered 1947-48)	Mr. Britten
269	PLANT ANATOMY First semester; 3 credits	Mr. Britten
273	ADVANCED PLANT PHYSIOLOGY-BIOPHYSICS First semester; 3 credits	Mr. Engard
274	LABORATORY TECHNIQUE IN BIOPHYSICS First semester; 2 credits	Mr. Engard
275	ADVANCED PLANT PHYSIOLOGY-BIOCHEMISTRY Second semester; 3 credits	Mr. Engard
276	LABORATORY TECHNIQUE IN BIOCHEMISTRY Second semester; 2 credits	Mr. Engard
279	MORPHOLOGY OF CRYPTOGAMIC PLANTS First semester; 3 credits	Mr. Lohman
280	CYTOGENETICS First semester; 3 credits	Mr. Britten
281	CYTOLOGY (Not offered 1947-48)	Mr. Britten
300	BOTANICAL RESEARCH Credit by arrangement	Staff

*310	BOTANICAL SEMINAR First semester; 1 credit; repeated second semester	Staff
351	PLANT PHYSIOLOGY SEMINAR Second semester; 1 credit	Mr. Engard
365	TAXONOMY OF THE DICOTYLEDONS Second semester; 1 credit	Mr. St. John
367	TAXONOMY OF THE HIGHER DICOTYLEDONS (Not offered 1947-48)	Mr. St. John
*400	THESIS RESEARCH Credit by arrangement	Staff

CHEMISTRY

Requirements for admission to candidacy for the master's degree:

- (1) A minimum of 36 undergraduate credits in chemistry, including courses in general chemistry of advanced inorganic, qualitative analysis, quantitative analysis, colloidal, and physical chemistry. In addition, courses in college physics, college algebra, geometry, and trigonometry are required at the undergraduate level. If Mathematics 154, Integral Calculus; and Mathematics 155, Calculus Applications, have not been taken at the undergraduate level, they must be included in the graduate program (without credit toward the master's degree).
- (2) Oral examination to be taken as soon as possible after becoming a graduate student.

The graduate program: Courses in the major field to be selected from those listed below. Required courses are marked with an asterisk.

Chemistry

232	BIOCHEMISTRY Second semester; 4 credits	Mr. Bilger
*238	ADVANCED INORGANIC CHEMISTRY (Not offered 1947-48)	Mr. Spurr
*249	ADVANCED ORGANIC CHEMISTRY First semester; 4 credits	Mrs. Bilger
*250	ORGANIC ANALYSIS Second semester; 4 credits	Mrs. Bilger, Mr. Spurr
*281	HISTORY OF CHEMISTRY (Not offered 1947-48)	Mrs. Bilger
285	ATOMIC STRUCTURE AND NUCLEAR CHEMISTRY Second semester; 3 credits	Mr. MacDougall
*295	CHEMICAL LITERATURE First semester; 2 credits; repeated second semester	Mr. MacDougall

300	DIRECTED RESEARCH	Mr. Deming, Mr. Smith, Mr. Naughton
	Credit by arrangement	
355	THEORETICAL ORGANIC CHEMISTRY	Mrs. Bilger
	Second semester; 2 credits	
*360	SEMINAR	Mrs. Bilger, Mr. Spurr
	Year course; 1 credit each semester	
*400	THESIS RESEARCH	Staff
	Credit by arrangement	

ECONOMICS AND BUSINESS

Requirements for admission to candidacy for the master's degree:

- (1) A minimum of 24 undergraduate credits in economics and business, including an introductory course and courses in elementary accounting and in business statistics, money and banking, public finance, and labor organization and industrial relations.
- (2) Oral examination covering previous work in the field to be taken as soon as possible after becoming a graduate student.

The graduate program: Courses in the major field to be selected from those listed below. Required courses in economics and business are marked with an asterisk. In addition, a course in methods of research is required. A maximum of 6 credits may be earned in selected courses in government, history, sociology, philosophy and psychology.

Economics

223-224	HISTORY OF ECONOMIC INSTITUTIONS	Mr. Cameron
	Year course; 3 credits each semester	
251	ECONOMIC PROBLEMS OF EUROPE	Mr. Kraemer
	First semester; 3 credits	
252	ECONOMIC PROBLEMS OF THE FAR EAST	Mr. Shoemaker
	First semester; 3 credits	
254	THE ECONOMIC SYSTEM OF SOVIET RUSSIA	Mr. Shoemaker
	Second semester; 3 credits	
263	INTERNATIONAL FINANCE	
	Second semester; 3 credits	
265	PRINCIPLES AND PROBLEMS OF ECONOMIC CONTROL	Mr. Shoemaker
	Second semester; 3 credits	
270	PUBLIC UTILITIES	Mr. Hoeber
	(Not offered 1947-48)	
273	OCEAN TRANSPORTATION	Mr. Cameron
	Second semester; 3 credits	

276	TRUSTS AND INDUSTRIAL COMBINATIONS First semester; 3 credits	Mr. Cameron
277	ECONOMICS OF MACHINE INDUSTRY Second semester; 3 credits	Mr. Cameron
281	LABOR PROBLEMS First semester; 3 credits	Mr. Roberts
283	LABOR LEGISLATION First semester; 3 credits	Mr. Roberts
285	INTERNATIONAL TRADE Second semester; 3 credits	Mr. Kraemer
291	AGRICULTURAL ECONOMICS First semester; 3 credits	Mr. Kraemer
292	LAND ECONOMICS Second semester; 3 credits	Mr. Kraemer
296	ECONOMIC THOUGHT AND ADVANCED ECONOMIC THEORY First semester; 3 credits	Mr. Kirkpatrick
*300	DIRECTED READING AND RESEARCH Year course; 3 credits each semester	Staff
310	SEMINAR IN LABOR PROBLEMS First semester; 3 credits	Mr. Shoemaker
315	SEMINAR IN FAR EASTERN ECONOMIC PROBLEMS Second semester; 3 credits	Mr. Shoemaker
*400	THESIS RESEARCH Credit by arrangement	Staff

Business

250	INTERMEDIATE ACCOUNTING First semester; 4 credits	Mr. Glover
251	ADVANCED ACCOUNTING Second semester; 4 credits	Mr. Glover
254	COST ACCOUNTING First semester; 3 credits	Mr. Glover
255	ANALYSIS OF FINANCIAL STATEMENTS Second semester; 3 credits	Mr. Glover
256	INCOME TAX PROBLEMS First semester; 3 credits	Mr. Glover
257	MERCHANDISE ACCOUNTING AND CONTROL Second semester; 3 credits	Mr. Glover
263	PERSONNEL MANAGEMENT Second semester; 3 credits	Mr. Roberts
264	PRINCIPLES OF BUSINESS First semester; 3 credits	Mr. Cameron
265	CORPORATION FINANCE Second semester; 3 credits	Mr. Kirkpatrick

266	INVESTMENTS AND INVESTMENT BANKING	Mr. Kirkpatrick
	First semester; 3 credits	
267	BUSINESS CYCLES AND BUSINESS FORECASTING	
	Second semester; 3 credits	Mr. Kirkpatrick
270-271	PRINCIPLES OF MARKETING	Mr. Kraemer
	Year course; 3 credits each semester	
273	ECONOMICS OF ADVERTISING	Mr. Hoerber
	Second semester; 3 credits	
276	ECONOMICS OF RETAIL MERCHANDISING	Mr. Hoerber
	First semester; 3 credits	
280	SALES MANAGEMENT	Mr. Kraemer
	Second semester; 3 credits	
287	ECONOMICS OF BUSINESS ORGANIZATION	Mr. Hoerber
	Second semester; 3 credits	
*300	DIRECTED READING OR RESEARCH	Staff
	Year course; 3 credits each semester	
*400	THESIS RESEARCH	Staff
	Credit by arrangement	

EDUCATION

Requirements for admission to candidacy for the master's degree:

- (1) The bachelor of education degree or the equivalent.
- (2) Successful teaching experience.
- (3) Grades of *H* (honors) in at least two of the four basic graduate courses (Education 340, 350, 390, and Psychology 351) or a satisfactory score in a comprehensive examination.
- (4) Satisfactory completion of the following courses: Education 380 and 300t.

The graduate program: Courses in education to be selected from those listed below. Required courses are indicated by an asterisk. Six to 10 hours may be earned in advanced courses in one of the following fields: agriculture, anthropology and sociology, biological sciences, economics and business, English, geology and geography, health and physical education, history and government, home economics, mathematics, philosophy, physical sciences, psychology, any foreign language or speech.

Education

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|------|-----------------------------------------------------|------------------------------------|
| *300 | DIRECTED READING OR RESEARCH | |
| | | Mr. Wist, Mr. Clopton, Miss Porter |
| | Credit by arrangement | |
| *340 | PHILOSOPHY OF EDUCATION | Mr. Saucier |
| | First semester; 3 credits; repeated second semester | |

345	SEMINAR IN PHILOSOPHY OF EDUCATION (Not offered 1947-48)	Mrs. Wells
*350	HISTORY OF EDUCATION First semester; 3 credits; repeated second semester	Mr. Cox
363	SEMINAR IN EDUCATIONAL ADMINISTRATION First semester; 2 credits	Mr. Cox
365	THE SUPERVISION OF INSTRUCTION Second semester; 2 credits	Mr. Cox
376	SEMINAR IN VOCATIONAL EDUCATION First semester; 2 credits; repeated second semester	Mr. Armstrong
*380	TECHNIQUES OF RESEARCH AND THESIS WRITING Second semester; 2 credits	Mr. White
*390	PUBLIC SCHOOL ADMINISTRATION First semester; 2 credits; repeated second semester	Mr. Cox
396	SEMINAR IN CURRICULUM IMPROVEMENT First semester; 2 credits; repeated second semester (not offered 1947-48)	Mr. Saucier, Mr. Cox
*400	THESIS RESEARCH Year course; credit by arrangement	Staff

ENGLISH

Requirements for admission to candidacy for the master's degree:

- (1) A minimum of 24 undergraduate credits in English, or closely related subjects, including courses in English composition, an introduction to English literature, American literature, and Shakespeare. In addition, courses in English history and in classical literature are desirable.
- (2) Courses indicating a fair reading knowledge of a European language or Latin.
- (3) A comprehensive written examination in literature.

The graduate program: Courses in English to be selected from those listed below. Required courses are marked with an asterisk.

English

270	CHAUCER First semester; 3 credits	Mr. Green
*272	HISTORY OF THE ENGLISH LANGUAGE (Not offered 1947-48)	Mr. Green
274	THE ENGLISH DRAMA TO 1642 (EXCLUSIVE OF SHAKESPEARE) First semester; 3 credits	Mr. Day

275	NONDRAMATIC ELIZABETHAN AND SEVENTEENTH-CENTURY ENGLISH LITERATURE (1558-1660)	Mr. Korn
	(Not offered 1947-48)	
280	RESTORATION AND EIGHTEENTH-CENTURY LITERATURE	Mr. Korn
	(Not offered 1947-48)	
282	POETRY AND PROSE OF THE ROMANTIC MOVEMENT IN ENGLAND	Mr. Day
	(Not offered 1947-48)	
284	VICTORIAN LITERATURE (EXCLUSIVE OF THE NOVEL)	
	(Not offered 1947-48)	
285	THE ENGLISH NOVEL TO 1832	Mr. Korn
	First semester; 3 credits	
286	THE ENGLISH NOVEL, 1832-1900	Mr. Korn
	Second semester; 3 credits	
287	MODERN DRAMATIC LITERATURE	Mr. Wilson
	Year course; 3 credits each semester	
288	CONTEMPORARY EUROPEAN LITERATURE	Mr. Day
	(Not offered 1947-48)	
289	CONTEMPORARY AMERICAN LITERATURE	Mr. Day
	(Not offered 1947-48)	
* 300	DIRECTED RESEARCH	Staff
	Credit by arrangement	
* 310	SEMINAR IN AMERICAN OR ENGLISH LITERATURE	Mr. Stroven, Mr. Green
	Second semester; 2 credits	
* 313	SEMINAR IN BIBLIOGRAPHY AND RESEARCH METHODS	Staff
	First semester; 1 credit	
* 400	THESIS RESEARCH	Staff
	Credit by arrangement	

ENTOMOLOGY

Requirements for admission to candidacy for the master's degree:

- (1) A minimum of 21 undergraduate credits in entomology and zoology, including general zoology, physiology, general entomology, insect morphology, systematic entomology, and agricultural entomology. In related fields, introductory courses in botany, chemistry, and physics as well as plant physiology, systematic botany, and principles of genetics are required.
- (2) An oral examination covering previous work in the field to be taken as soon as possible after registering as a graduate student.

The graduate program: Courses in the major field to be selected from those listed below. Required courses are marked with an asterisk. A maximum of 6 credits may be earned in closely related advanced courses in botany, chemistry, genetics, horticulture, and statistics.

Zoology

- *253 PARASITOLOGY Mr. Alicata
First semester; 3 credits
- *260 HISTOLOGY Mr. Hamre
First semester; 3 credits
- *262 MICROTECHNIQUE Mr. Hamre
Second semester; 2 credits
- *281 TAXONOMY AND ECOLOGY OF THE INVERTEBRATES Mr. Hiatt
Second semester; 3 credits
- *285 ORGANIC EVOLUTION Mr. Hiatt
Second semester; 2 credits
- 300 DIRECTED RESEARCH Staff
Credit by arrangement
- *310 ZOOLOGY SEMINAR Staff
Year course; 1 credit each semester; may be taken repeatedly
- 311 ENTOMOLOGY SEMINAR Mr. Tuthill, Mr. Holdaway
First semester; 1 credit; may be taken repeatedly
- 352 INSECT ECOLOGY Mr. Tuthill
(Alternate years; not offered 1947-48)
- 353 PRINCIPLES OF APPLIED ENTOMOLOGY
Mr. Tuthill, Mr. Holdaway
(Alternate years; not offered 1947-48)
- *355-356 INSECT-TRANSMITTED DISEASES OF PLANTS Mr. Carter
Second semester; 1 credit; may be taken repeatedly
- *400 THESIS RESEARCH Mr. Tuthill, Mr. Holdaway
Credit by arrangement

FAR EASTERN STUDIES

Requirements for admission to candidacy for the master's degree:

- (1) A minimum of 18 semester hours of undergraduate credit in courses in the languages, history, philosophy, and literature of the Far East, including at least 6 semester hours in the history of China or Japan.
- (2) A reading knowledge of Chinese, Japanese, or Korean.
- (3) An oral examination covering previous work in this field upon fulfillment of the above requirements.

The graduate program: Courses to be selected with the advice and approval of the qualifying committee from those listed below.

Chinese

- 200 THIRD-YEAR CHINESE Mrs. Chong
Year course; 3 credits each semester

- 293-294 METHODS AND BIBLIOGRAPHY IN CHINESE STUDIES
Year course; 3 credits each semester Mr. Taam
- 400 THESIS RESEARCH
Credit by arrangement Staff

Japanese

- 203 JAPANESE TRANSLATION AND INTERPRETATION Mr. Uyehara
Year course; 3 credits each semester
- 260 JAPANESE LITERATURE IN ENGLISH Mr. Uyehara
Year course; 2 credits each semester
- 300 DIRECTED READING OR RESEARCH Mr. Uyehara
Credit by arrangement
- 400 THESIS RESEARCH Staff
Credit by arrangement

History

- 201 HISTORY OF THE FAR EAST Mr. Sakamaki
Year course; 3 credits each semester
- 225 HISTORY OF CHINA Mr. White
Year course; 3 credits each semester
- 226 HISTORY OF JAPAN Mr. Sakamaki
Year course; 3 credits each semester
- 250 HISTORY OF EARLY CIVILIZATION IN THE FAR EAST
First semester; 3 credits Mr. Sakamaki
- 251 HISTORY OF THOUGHT IN JAPAN Mr. Sakamaki
Second semester; 3 credits
- 300 DIRECTED RESEARCH Staff
Credit by arrangement
- 310 SEMINAR IN HISTORICAL METHOD Mr. Hunter
First semester; 3 credits
- 313 SEMINAR IN HISTORIOGRAPHY Mr. Hunter
Second semester; 3 credits
- 315 SEMINAR IN JAPANESE HISTORY Mr. Sakamaki
Second semester; 3 credits
- 318 RUSSIA IN ASIA Mr. Marder
Second semester; 3 credits (not offered 1947-48)
- 319 EUROPE IN THE FAR EAST Mr. Marder
First semester; 3 credits (not offered 1947-48)

Anthropology

- 254 PEOPLES OF SOUTHERN ASIA Miss Luomala
First semester; 3 credits
- 255 PEOPLES OF NORTHERN ASIA Miss Luomala
Second semester; 3 credits

Philosophy

- 265 PHILOSOPHY, EAST AND WEST Mr. Moore
First semester; 3 credits (not offered 1947-48)
- 270 INDIAN PHILOSOPHY Mr. Moore
First semester; 3 credits (not offered 1947-48)
- 271 CHINESE PHILOSOPHY Mr. Fung
First semester; 3 credits
- 283-284 BUDDHIST PHILOSOPHY
Year course; 2 credits each semester (not offered 1947-48)

Government

- 262 GOVERNMENT AND POLITICS OF THE FAR EAST Mr. Leebrick
Second semester; 3 credits (not offered 1947-48)
- 263 INTERNATIONAL RELATIONS OF THE FAR EAST Mr. Leebrick
Second semester; 3 credits

Economics

- 252 ECONOMIC PROBLEMS OF THE FAR EAST Mr. Shoemaker
First semester; 3 credits
- 315 SEMINAR IN FAR EASTERN ECONOMIC PROBLEMS
Second semester; 3 credits Mr. Shoemaker

Geography

- 255 GEOGRAPHY OF ASIA Mr. Manchester
Second semester; 3 credits

GOVERNMENT

Requirements for admission to candidacy for the master's degree:

- (1) A minimum of 18 undergraduate credits in government, including American government, political theory, and international relations.
- (2) An oral examination covering previous work in the field to be taken as soon as possible after becoming a graduate student.

The graduate program: Courses in the major field to be selected from those listed below. Required courses are marked with an asterisk. In addition, candidates are required to take a course in methods of research. The candidate may specialize in one of the following four fields, in which case the courses listed are required:

International Relations

Government 261, International Organization
History 245, Diplomatic History of the United States
Economics 285, Foreign Trade

Public Administration

Government 284, Administrative Law
Economics 261, Public Finance

Political Philosophy

Philosophy 200, Ethics—Philosophies of Life
History 246, American Thought and Culture

Comparative Government

Government 266, European Governments
Government 268, Government and Politics of the
Soviet Union

A maximum of 6 credits may be earned in other social sciences (economics, history, sociology, anthropology, and psychology) as determined by the supervising committee. These courses will be selected to strengthen and widen the candidate's field of major interest.

Government

240	DEMOCRACY AND TOTALITARIANISM First semester; 3 credits (not offered 1947-48)	Mr. Saunders
248	THE CONSTITUTION OF THE AMERICAN STATES Second semester; 3 credits	Mr. Spellacy
252	INTRODUCTION TO CONSTITUTIONAL LAW First semester; 3 credits	Mr. Spellacy
254	MUNICIPAL GOVERNMENT First semester; 3 credits	Mr. Spellacy
256	AMERICAN POLITICAL PARTIES Second semester; 3 credits	Mr. Saunders
261	INTERNATIONAL ORGANIZATION Second semester; 2 credits (not offered 1947-48)	Mr. Bachman
262	GOVERNMENT AND POLITICS OF THE FAR EAST Second semester; 3 credits (not offered 1947-48)	Mr. Leebrick
263	INTERNATIONAL RELATIONS OF THE FAR EAST Second semester; 3 credits	Mr. Leebrick
266	EUROPEAN GOVERNMENTS First semester; 3 credits	Mr. Saunders
268	GOVERNMENT AND POLITICS OF THE SOVIET UNION Second semester; 3 credits	Mr. Saunders
271	GOVERNMENT OF DEPENDENCIES First semester; 3 credits	Mr. Leebrick
*282	INTRODUCTION TO PUBLIC ADMINISTRATION First semester; 3 credits	Mr. Spellacy

283	PERSONNEL ADMINISTRATION	Mr. Spellacy
	Second semester; 3 credits (not offered 1947-48)	
284	ADMINISTRATIVE LAW	Mr. Meller
	Second semester; 3 credits	
285	ADMINISTRATIVE MANAGEMENT	
	Second semester; 3 credits (not offered 1947-48)	
290	MODERN POLITICAL PHILOSOPHY	Mr. Saunders
	Second semester; 3 credits	
300	DIRECTED READING AND RESEARCH	Mr. Saunders
	Year course; credit by arrangement	
310	SEMINAR IN PUBLIC ADMINISTRATION	
	Year course; 2 credits each semester	Mr. Spellacy, Mr. Meller
*400	THESIS RESEARCH	Staff
	Credit by arrangement	

HISTORY

Requirements for admission to candidacy for the master's degree:

- (1) A minimum of 18 undergraduate credits in history, including 10 hours in courses relating to the general field of the thesis.
- (2) An oral examination covering previous work in the field to be taken as soon as possible after becoming a graduate student.

The graduate program: Courses in the major field to be selected from those listed below. Required courses are marked with an asterisk. A maximum of 6 credits may be earned toward the degree in such closely related advanced courses as government, international relations, economics, or foreign languages.

History

201	HISTORY OF THE FAR EAST	Mr. Sakamaki
	Year course; 3 credits each semester	
208	EXPANSION OF EUROPEAN CIVILIZATION	Mr. Sakamaki
	First semester; 3 credits	
209-210	HISTORY OF ENGLAND	Mr. Murphy
	Year course; 3 credits each semester	
211	CONSTITUTIONAL HISTORY OF ENGLAND	Mr. Hunter
	First semester; 3 credits (not offered 1947-48)	
213	HISTORY OF MODERN RUSSIA	Mr. Marder
	First semester; 3 credits	
214	HISTORY OF SOVIET RUSSIA	Mr. Marder
	Second semester; 3 credits	
220-221	HISTORY OF THE BRITISH EMPIRE	Mr. Murphy
	Year course; 3 credits each semester	
225	HISTORY OF CHINA	Mr. White
	Year course; 3 credits each semester	

226	HISTORY OF JAPAN Year course; 3 credits each semester	Mr. Sakamaki
229	HISTORY OF THE RELATIONS BETWEEN CHINA AND THE OCCIDENT Year course; 3 credits each semester	Mr. White
242-243	HISTORY OF THE UNITED STATES Year course; 3 credits each semester	Mr. Hunter
245	DIPLOMATIC HISTORY OF THE UNITED STATES First semester; 3 credits	Mr. Hunter
246	AMERICAN THOUGHT AND CULTURE Second semester; 3 credits	Mr. Hunter
250	HISTORY OF EARLY CIVILIZATION IN THE FAR EAST First semester; 3 credits	Mr. Sakamaki
251	HISTORY OF THOUGHT IN JAPAN Second semester; 3 credits	Mr. Sakamaki
252	CONSTITUTIONAL HISTORY OF THE UNITED STATES Second semester; 3 credits	Mr. Hunter
257	EUROPE IN THE NINETEENTH CENTURY First semester; 3 credits	Mr. Marder
258	EUROPE SINCE VERSAILLES Second semester; 3 credits	Mr. Marder
276	HISTORY OF THE HAWAIIAN ISLANDS Second semester; 2 credits (not offered 1947-48)	Mr. Kuykendall
277	THE PACIFIC REGION IN MODERN TIMES Year course; 2 credits each semester	Mr. Kuykendall
295	CULTURAL HISTORY OF CHINA Year course; 3 credits each semester	Mr. White
*300	DIRECTED RESEARCH Credit by arrangement	Staff
*310	SEMINAR IN HISTORICAL METHOD First semester; 3 credits	Mr. Hunter
*313	SEMINAR IN HISTORIOGRAPHY Second semester; 3 credits	Mr. Hunter
315	SEMINAR IN JAPANESE HISTORY Second semester; 3 credits	Mr. Sakamaki
316	SEMINAR IN CHINESE HISTORY First semester; 3 credits	Mr. White
318	RUSSIA IN ASIA Second semester; 3 credits (not offered 1947-48)	Mr. Marder
319	EUROPE IN THE FAR EAST First semester; 3 credits (not offered 1947-48)	Mr. Marder
*400	THESIS RESEARCH Credit by arrangement	Staff

NUTRITION

Requirements for admission to candidacy for the master's degree:

- (1) An undergraduate major in home economics, including courses in nutrition and in diet and disease. In addition, courses in biochemistry, organic chemistry, qualitative analysis, and college algebra are required.
- (2) An oral, qualifying examination to be taken upon completion of one semester of graduate work.

The graduate program: Courses to be selected from those listed below. Required courses are marked with an asterisk. In addition, a course in Statistical Methods is required. A maximum of 6 credits may be earned in related courses in chemistry, physiology, or bacteriology.

Home Economics

- *360 SPECIAL PROBLEMS IN HOME ECONOMICS Miss Phillips
First semester; 2 credits; repeated second semester

Household Science

- 260 QUANTITY COOKERY Mrs. Boatman
First semester; 3 credits
- *264 PROBLEMS IN HOSPITAL DIETETICS OR INSTITUTIONAL
MANAGEMENT
First semester; 4 credits; repeated second semester
(not offered 1947-48)
- 273 FOOD HABITS IN HAWAII Mrs. Gruelle
Second semester; 4 credits
- *300 DIRECTED RESEARCH IN NUTRITION Miss Miller
Credit by arrangement
- *350-351 SEMINAR IN NUTRITION Miss Miller
Year course; 1 credit each semester
- *400 THESIS RESEARCH Staff
Credit by arrangement

PHILOSOPHY

Requirements for admission to candidacy for the master's degree:

- (1) A minimum of 18 semester hours of undergraduate credit in philosophy, including courses in history of philosophy, ethics, and logic. A course in general psychology is required.
- (2) An oral, qualifying examination to be taken as soon as possible after registering for graduate work.

The graduate program: Courses to be selected from those listed below. Required courses are indicated by an asterisk. Recommended related courses are: American Thought and Culture, History of Thought in Japan, Philosophy of Education, Modern Political Philosophy.

Philosophy

- | | | |
|---------|------------------------------------------------------------|--------------|
| *210 | CONTEMPORARY PHILOSOPHY | |
| | Second semester; 3 credits (not offered 1947-48) | |
| 240 | PHILOSOPHICAL IDEAS IN CONTEMPORARY LITERATURE | |
| | Second semester; 3 credits | Mr. Ames |
| *252 | TYPES OF PHILOSOPHY | Mr. McCarthy |
| | First semester; 3 credits | |
| *253 | PROBLEMS OF PHILOSOPHY | Mr. McCarthy |
| | Second semester; 3 credits | |
| 262 | AESTHETICS | Mr. Ames |
| | First semester; 3 credits | |
| 265 | PHILOSOPHY, EAST AND WEST | Mr. Moore |
| | First semester; 3 credits (not offered 1947-48) | |
| 270 | INDIAN PHILOSOPHY | Mr. Moore |
| | First semester; 3 credits (not offered 1947-48) | |
| 271 | CHINESE PHILOSOPHY | Mr. Fung |
| | First semester; 3 credits | |
| 275 | PHILOSOPHY OF RELIGION | Mr. Ames |
| | First semester; 3 credits | |
| 281 | CONFUCIAN PHILOSOPHY | |
| | First semester; 3 credits (not offered 1947-48) | |
| 282 | TAOIST PHILOSOPHY | Mr. Fung |
| | First semester; 3 credits | |
| 283-284 | BUDDHIST PHILOSOPHY | |
| | Year course; 2 credits each semester (not offered 1947-48) | |
| 286-287 | THE SCIENTIFIC SPIRIT OF WESTERN PHILOSOPHY | |
| | Year course; 3 credits each semester | Mr. McCarthy |
| *288 | SYMBOLIC LOGIC AND SCIENTIFIC METHOD | Mr. McCarthy |
| | Second semester; 3 credits | |
| *300 | READING AND RESEARCH | Staff |
| | Credit by arrangement | |
| 303 | SEMINAR IN CHINESE PHILOSOPHY | Mr. Fung |
| | Credit by arrangement | |
| *400 | THESIS RESEARCH | Staff |
| | Credit by arrangement | |

PHYSICS

Requirements for admission to candidacy for the master's degree:

- (1) A minimum of 18 undergraduate credits in physics, including courses in general physics, light, optics, electricity and magnetism, and modern physics. In addition, courses in general chemistry, mathematics through calculus, mechanics, mechanical drawing, and descriptive geometry are required.
- (2) An oral, qualifying examination covering previous work in the field to be taken as soon as possible after becoming a graduate student.

The graduate program: Courses in the major field to be selected from those listed below. Required courses are marked with an asterisk. Recommended related courses are: Structural Mechanics, Hydraulics, Advanced Calculus, and Mathematics of Theoretical Physics.

Physics

258	ELECTRONICS	Mr. Miyake
	First semester; 3 credits	
259	SEISMOLOGY	Mr. Eller
	First semester; 3 credits (not offered 1947-48)	
260	GEOPHYSICS	Mr. Bramhall
	Second semester; 3 credits	
262	SOUND	Mr. Miyake
	Second semester; 3 credits	
299	READING OR LABORATORY WORK IN ADVANCED PHYSICS	
	Credit by arrangement	Staff
*300	DIRECTED READING OR RESEARCH	Staff
	Credit by arrangement	
*351-352	THEORETICAL PHYSICS	Mr. Eller, Mr. Bramhall
	By arrangement; 6 credits	
*400	THESIS RESEARCH	Staff
	Credit by arrangement	

PSYCHOLOGY

Requirements for admission to candidacy for the master's degree:

- (1) A minimum of 28 undergraduate credits in psychology, including general psychology and experimental psychology. In addition, courses in introductory philosophy and in general zoology are urgently recommended.
- (2) An oral examination covering previous work in the field to be taken immediately after becoming a graduate student.

The graduate program: Courses to be selected from those listed below. Required courses are marked with an asterisk. A maximum of 6 credits may be earned in closely related courses in anthropology, philosophy, physics, sociology, and zoology.

Psychology

250	APPLIED PSYCHOLOGY Second semester; 3 credits	Mr. Forbes
256	BUSINESS AND INDUSTRIAL PSYCHOLOGY First semester; 3 credits	Mr. Forbes
*260	STATISTICAL TECHNIQUES IN PSYCHOLOGY First semester; 3 credits	Mr. Bown
*264	PSYCHOLOGICAL MEASUREMENTS First semester; 3 credits	Mr. Bown
*270	PHYSIOLOGICAL PSYCHOLOGY First semester; 3 credits	Mr. Forbes
*275	SYSTEMATIC PSYCHOLOGY Second semester; 3 credits	Mr. Bown
*280	SOCIAL PSYCHOLOGY First semester; 3 credits; repeated second semester	Mr. Vinacke
283	PSYCHOLOGY OF PERSONALITY Second semester; 3 credits	Mr. Vinacke
286	POLITICAL PSYCHOLOGY First semester; 3 credits	Mr. Vinacke
290	CLINICAL PSYCHOLOGY First semester; 3 credits	Miss Peixotto
291	CLINICAL PSYCHOLOGY Second semester; 3 credits	Miss Peixotto
292	MENTAL HYGIENE First semester; 3 credits; repeated second semester	Mr. Livesay
294	PROBLEMS IN CLINICAL PSYCHOLOGY First semester; 3 credits; repeated second semester	Mr. Herrick
*295	ABNORMAL PSYCHOLOGY First semester; 3 credits; repeated second semester	Mr. Forbes
300	DIRECTED READING OR RESEARCH Credit by arrangement	Staff
*400	THESIS RESEARCH Credit by arrangement	Staff

SOCIOLOGY

Requirements for admission to candidacy for the master's degree:

- (1) A minimum of 18 semester hours of undergraduate credit in sociology, including the introductory course and three of the

following courses: Sociology 267, The Family; Sociology 268, Human Migrations; Sociology 269, Personality and Culture; Sociology 270, Population and Society; Sociology 271, Human Ecology; and Sociology 272, Collective Behavior. In addition, introductory courses in philosophy, economics, psychology, anthropology, and government are recommended.

- (2) An oral, qualifying examination to be taken as soon as possible after registering for graduate work.

The graduate program: Courses in the major to be selected from those listed below. Required courses are indicated by an asterisk. A maximum of 6 credit hours may be earned in related courses in economics, anthropology, psychology, and history.

Sociology

255	SOCIAL DISORGANIZATION Second semester; 3 credits	Mr. Hormann
256	RACE AND CULTURE CONTACTS IN HAWAII First semester; 3 credits (not offered 1947-48)	
257	RACE RELATIONS IN THE PACIFIC Second semester; 3 credits (not offered 1947-48)	
258	RACE RELATIONS First semester; 3 credits (not offered 1947-48)	
267	THE FAMILY Second semester; 3 credits	Mr. Brooks
268	HUMAN MIGRATIONS Second semester; 3 credits (not offered 1947-48)	
269	PERSONALITY AND CULTURE First semester; 3 credits	
270	POPULATION AND SOCIETY First semester; 3 credits (not offered 1947-48)	
271	HUMAN ECOLOGY First semester; 3 credits	
272	COLLECTIVE BEHAVIOR First semester; 3 credits	Mr. Hormann
274	SOCIAL CHANGE Second semester; 3 credits (not offered 1947-48)	
275	AMERICAN SOCIETY IN TRANSITION Second semester; 3 credits	
*350-351	GRADUATE SEMINAR IN SOCIOLOGY Credit by arrangement	Mr. Lind
352	SOCIAL RESEARCH Credit by arrangement	Mr. Lind
*400	THESIS RESEARCH Credit by arrangement	Staff

SPEECH

Requirements for admission to candidacy for the master's degree:

- (1) At least 20 credits in speech, including one course in each of the four major areas: pathology, interpretation, rhetoric and public address, and theater.
- (2) An oral, qualifying examination to be taken as soon as possible after registering as a graduate student.

The graduate program: Courses to be selected from those listed below. The qualifying committee will determine which courses are required in the case of each candidate. A maximum of 6 semester hours may be earned in closely related courses in other fields.

Speech

220	PHONETICS First semester; 3 credits	Mr. Smith
221	SPEECH CORRECTION Second semester; 3 credits	Mrs. Carr
222	SPEECH THERAPY First semester; 3 credits	Mrs. Krantz
223	SPEECH REHABILITATION Second semester; 3 credits	Mrs. Krantz
232	ADVANCED INTERPRETATION Second semester; 3 credits	Mr. Smith
234	RADIO SPEAKING Second semester; 3 credits	
241	ACTING Year course; 3 credits each semester	Mr. Ernst, Mr. Trapido
242	THEORY AND PRACTICE OF DIRECTION Year course; 3 credits each semester	Mr. Ernst, Mr. Trapido
243	STAGECRAFT First semester; 3 credits	Mr. Trapido
244	HISTORY OF THE THEATER Second semester; 3 credits	Mr. Ernst
245	AESTHETIC OF THE THEATER First semester; 3 credits	Mr. Ernst
246	MODERN THEORIES OF STAGE PRESENTATION Second semester; 3 credits	Mr. Trapido
250	DISCUSSION First semester; 3 credits	Mr. Cornwell
251	DEBATING Second semester; 3 credits	Mr. Cornwell

262	SPEECH IMPROVEMENT	Mrs. Carr
	First semester; 1 credit; repeated second semester	
295	RHETORIC	Mr. Cornwell
	First semester; 3 credits	
298	SPECIAL PROBLEMS	Mrs. Carr, Mr. Cornwell, Mr. Ernst, Mr. Smith, Mr. Trapido
	1 to 5 credits by arrangement	
300	RESEARCH	Mrs. Carr, Mr. Cornwell, Mr. Ernst, Mr. Smith, Mr. Trapido
	1 to 6 credits by arrangement; repeated second semester	
320	SEMINAR IN PHONETICS AND SPEECH CORRECTION	Mrs. Carr, Staff
	First semester; 1 to 3 credits by arrangement; repeated second semester	
330	SEMINAR IN INTERPRETATION	Mr. Smith, Staff
	First semester; 1 to 3 credits by arrangement; repeated second semester	
340	SEMINAR IN DRAMATICS	Mr. Ernst, Mr. Trapido, Staff
	First semester; 1 to 3 credits by arrangement; repeated second semester	
350	SEMINAR IN RHETORIC AND PUBLIC ADDRESS	Mr. Cornwell
	First semester; 1 to 3 credits by arrangement; repeated second semester	
*400	THESIS RESEARCH	Staff
	Credit by arrangement	

ZOOLOGY

Requirements for admission to candidacy for the master's degree:

- (1) A minimum of 18 undergraduate credits in courses including general zoology, comparative anatomy, embryology, and general entomology. In addition, 12 hours of chemistry and 8 hours of physics are required.
- (2) An oral, qualifying examination to be taken as soon as possible after registering for graduate work.

The graduate program: Courses in the major field to be selected from those listed below. A course in statistics is recommended. Required courses are marked with an asterisk. A maximum of 6 credits may be earned in related courses in botany and chemistry.

Zoology

240	INTRODUCTION TO ECOLOGY	Mr. Hiatt, Mr. Holdaway, Mr. Richardson
	First semester; 2 credits	
253	PARASITOLOGY	Mr. Alicata
	First semester; 3 credits	
260	HISTOLOGY	Mr. Hamre
	First semester; 3 credits	

262	MICROTECHNIQUE Second semester; 2 credits	Mr. Hamre
263	ADVANCED COMPARATIVE ANATOMY First semester; 4 credits	Mr. Richardson
266	HEMATOLOGY First semester; 2 credits	Mr. Hamre
280	COMPARATIVE MORPHOLOGY OF INVERTEBRATES First semester; 3 credits	Mr. Banner
281	TAXONOMY AND ECOLOGY OF THE INVERTEBRATES Second semester; 3 credits	Mr. Hiatt
285	ORGANIC EVOLUTION Second semester; 2 credits	Mr. Hiatt
*310	ZOOLOGY SEMINAR Year course; 1 credit each semester	Staff
*400	THESIS RESEARCH Credit by arrangement	Staff

Chemistry Laboratory

