Announcement of Graduate Studies, 1947-48
UNIVERSITY CALENDAR

1947

Sept. 18, Thursday } ... Registration of graduate students
Sept. 19, Friday ... Regatta Day (holiday)
Sept. 20, Saturday ... Instruction begins
Sept. 23, Tuesday ... Armistice Day (holiday)
Nov. 11, Tuesday ... Thanksgiving recess
Nov. 27, Thursday through 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
Mar. 25, Monday ... Legal holiday following Memorial Day
Apr. 2, Friday ... Charter Day
Apr. 3, Saturday ... Easter recess
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

The University of Hawaii Bulletin is published quarterly by the University of Hawaii, Honolulu, Hawaii, U.S.A. Entered as second-class matter at the Post Office at Honolulu, Hawaii, November 14, 1921, under Act of Congress of August 24, 1912.
# CONTENTS

<table>
<thead>
<tr>
<th>Administrative Officers</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Graduate Council</td>
<td>5</td>
</tr>
<tr>
<td>The Graduate Faculty</td>
<td>5</td>
</tr>
<tr>
<td>Graduate Study in the University of Hawaii</td>
<td>8</td>
</tr>
<tr>
<td>The Fields of Graduate Study</td>
<td>15</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Field</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agriculture</td>
<td>15</td>
</tr>
<tr>
<td>Anthropology</td>
<td>16</td>
</tr>
<tr>
<td>Bacteriology</td>
<td>17</td>
</tr>
<tr>
<td>Botany</td>
<td>17</td>
</tr>
<tr>
<td>Chemistry</td>
<td>19</td>
</tr>
<tr>
<td>Economics and Business</td>
<td>20</td>
</tr>
<tr>
<td>Education</td>
<td>22</td>
</tr>
<tr>
<td>English</td>
<td>23</td>
</tr>
<tr>
<td>Entomology</td>
<td>24</td>
</tr>
<tr>
<td>Far Eastern Studies</td>
<td>25</td>
</tr>
<tr>
<td>Government</td>
<td>27</td>
</tr>
<tr>
<td>History</td>
<td>29</td>
</tr>
<tr>
<td>Nutrition</td>
<td>31</td>
</tr>
<tr>
<td>Philosophy</td>
<td>31</td>
</tr>
<tr>
<td>Physics</td>
<td>33</td>
</tr>
<tr>
<td>Psychology</td>
<td>33</td>
</tr>
<tr>
<td>Sociology</td>
<td>34</td>
</tr>
<tr>
<td>Speech</td>
<td>36</td>
</tr>
<tr>
<td>Zoology</td>
<td>37</td>
</tr>
</tbody>
</table>
The Library
ADMINISTRATIVE OFFICERS

GREGG M. SINCLAIR, M.A. .................. President of the University
KARL C. LEEBRICK, Ph.D ................... Vice-President
PAUL S. BACHMAN, Ph.D .................... Dean of Faculties
ANDREW W. LIND, Ph.D .................... Dean of the Graduate Division
KATHARINE N. HANDLEY, Ph.D ............... Director of the School of
                                      Social Work
HELEN B. MACNEIL, M.A .................... Registrar

THE GRADUATE COUNCIL

A. W. LIND, Chairman (on leave first semester); E. F. SPELLACY, Acting
Chairman; H. A. WADSWORTH, F. W. HARTMANN, H. ST. JOHN,
L. N. BILGER, J. H. SHOEMAKER, R. W. CLOPTON, W. WILSON,
A. F. SAUNDERS, C. H. HUNTER, K. B. GRUELLE, C. A. MOORE,
W. H. ELLER, T. W. FORBES, J. F. SMITH, R. W. HIATT.

THE GRADUATE FACULTY

JOSEPH E. ALICATA, Ph.D .................. Professor of Parasitology
VAN METER AMES, Ph.D .................... Visiting Professor of Philosophy
FRED E. ARMSTRONG, Ph.D .................. Professor of Vocational Education
PAUL S. BACHMAN, Ph.D .................... Professor of Government
ALBERT H. BANNER, Ph.D ................... Assistant Professor of Zoology
JOHN H. BEAUMONT, Ph.D ................... Professor of Horticulture
EARL M. BILGER, Ph.D .................... Professor of Chemistry
LEONORA N. BILGER, Ph.D .................. Professor of Chemistry
ELSIE M. BOATMAN, M.S .................... Instructor in Home Economics
M. DUANE BOWN, Ph.D .................... Assistant Professor of Psychology
ERVIN H. BRAMHALL, Ph.D .................. Associate Professor of Physics
EDWARD J. BRITTEN, Ph.D .................. Assistant Professor of Botany
LEE M. BROOKS, Ph.D .................... Visiting Professor of Sociology
PETER H. BUCK, M.D .................... Research Associate in Anthropology
OSWALD A. BUSHNELL, Ph.D ............... Assistant Professor of Bacteriology
MERTON K. CAMERON, Ph.D ............... Professor of Economics
ELIZABETH B. CARR, M.A .................. Assistant Professor of Speech
WALTER CARTER, Ph.D .................... Lecturer in Entomology
HARRY F. CLEMENTS, Ph.D .................. Professor of Plant Physiology
ROBERT W. CLOPTON, Ph.D ................. Associate Professor of Education
J. L. COLLINS, Ph.D .................... Lecturer in Genetics
BRUCE J. COOL, Ph.D .................... Associate Professor of Plant Physiology
CLIFTON CORNWELL, M.A .................. Assistant Professor of Speech
PHILIP COX, Ph.D ......................... Visiting Professor of Education
A. GROVE DAY, Ph.D ..................... Associate Professor of English
HORACE G. DEMING, Ph.D .................. Visiting Professor of Chemistry
WILLARD H. ELLER, Ph.D ................. Professor of Physics
JOHN F. EMBREE, Ph.D .................... Associate Professor of Anthropology
KENNETH P. EMORY, Ph.D .......... Lecturer in Anthropology
CHARLES J. ENGARD, Ph.D .......... Associate Professor of Botany
EARLE ERNST, Ph.D .......... Assistant Professor of Speech
HARVEY I. FISHER, Ph.D .......... Assistant Professor of Zoology
THEODORE W. FORBES, Ph.D .......... Associate Professor of Psychology
WILLIAM A. FRAZIER, Ph.D .......... Professor of Olericulture
YU-LAN FUNG, Ph.D .......... Visiting Professor of Philosophy
LEE GLOVER, M.A .......... Associate Professor of Business
CARLETON GREEN, Ph.D .......... Associate Professor of English
KATHERINE B. GRUELLE, M.A .......... Associate Professor of Home Economics
CHRISTOPHER J. HAMRE, Ph.D .......... Professor of Zoology
FLOYD W. HARTMANN, Ph.D .......... Associate Professor of Bacteriology
COLIN J. HERRICK, Ph.D .......... Professor of Psychology
ROBERT W. HIATT, Ph.D .......... Associate Professor of Zoology
RALPH C. HOEBER, J.D .......... Associate Professor of Economics and Business
FREDERICK G. HOLDAWAY, Ph.D .......... Professor of Entomology
BERNHARD L. HORMANN, M.A .......... Assistant Professor of Sociology
CHARLES H. HUNTER, Ph.D .......... Associate Professor of History
ARTHUR L. KIRKPATRICK, M.A .......... Assistant Professor of Economics
ALFONS L. KORN, M.A .......... Associate Professor of English
ERICH O. KRAEMER, Ph.D .......... Assistant Professor of Economics
HENRIETTA C. KRANTZ, M.A .......... Instructor in Speech
RALPH S. KUYKENDALL, M.A .......... Associate Professor of History
KARL C. LEEBRICK, Ph.D .......... Professor of Government
ANDREW W. LIND, Ph.D .......... Professor of Sociology
(on leave first semester)

THAYNE M. LIVESAY, Ph.D .......... Professor of Psychology
MARION L. LOHMAN, Ph.D .......... Associate Professor of Botany
KATHERINE LUOMALA, Ph.D .......... Assistant Professor of Anthropology
F. H. MACDOUGALL, Ph.D .......... Visiting Professor of Chemistry
GORDON B. MAINLAND, Ph.D .......... Assistant Professor of Zoology
CURTIS A. MANCHESTER, Ph.D .......... Associate Professor of Geography
ARTHUR J. MARDER, Ph.D .......... Associate Professor of History
LEONARD E. MASON, M.A .......... Associate Professor of Anthropology
HAROLD E. MCCARTHY, Ph.D .......... Assistant Professor of Philosophy
NORMAN MELLER, M.A .......... Professor of Government
CAREY D. MILLER, M.S .......... Professor of Foods and Nutrition
IWAO MIYAKE, M.S .......... Associate Professor of Physics
CHARLES A. MOORE, Ph.D .......... Professor of Philosophy (on leave)
THOMAS D. MURPHY, Ph.D .......... Assistant Professor of History
JOHN J. NAUGHTON, Ph.D .......... Assistant Professor of Chemistry
HELEN E. PEIXOTTO, Ph.D .......... Assistant Professor of Psychology
VIRGINIA PHILLIPS, Ed.D .......... Associate Professor of Home Economics
MARY R. PORTER, Ph.D .......... Associate Professor of Education

6
FRANK RICHARDSON, Ph.D. .................. Assistant Professor of Zoology
HAROLD S. ROBERTS, Ph.D. .................. Visiting Professor of Economics
HAROLD ST. JOHN, Ph.D. .................... Professor of Botany
SHUNZO SAKAMAKI, Ph.D. .................. Associate Professor of Japanese History
W. A. SAUCIER, Ph.D. ...................... Visiting Professor of Education
ALLAN F. SAUNDERS, Ph.D. .................. Associate Professor of Government
G. DONALD SHERMAN, Ph.D. ............... Professor of Soil Chemistry
JAMES H. SHOEMAKER, M.A. ............... Professor of Economics
ELBERT G. SMITH, Ph.D. ................... Assistant Professor of Chemistry
JOSEPH F. SMITH, M.A. .................... Professor of Speech
EDMUND F. SPELLACY, Ph.D. .............. Professor of Government
ROBERT A. SPURR, Ph.D. ................... Assistant Professor of Chemistry
CARL G. STROVEN, Ph.D. ................... Professor of English
CHEUK-WOON TAAM, Ph.D. ................. Associate Professor of Chinese Studies
JOEL TRAPIDO, Ph.D. ...................... Assistant Professor of Speech
LEONARD D. TUTHILL, Ph.D. .............. Associate Professor of Entomology
YUKUO UYEHARA, M.A. .................... Associate Professor of Japanese Language
W. EDGAR VINACKE, Ph.D. ............... Assistant Professor of Psychology
HAROLD A. WADSWORTH, B.S. ............. Professor of Agriculture
MILDRED C. WELLS, Ph.D. ................. Associate Professor of Education
(on leave)

BRUCE WHITE, Ph.D. ...................... Associate Professor of Education
JOHN A. WHITE, Ph.D. .................... Professor of Chinese History
WILLARD WILSON, Ph.D. .................. Associate Professor of English
BENJAMIN O. WIST, Ph.D. ................ Professor of Education

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 lan­
guage 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 com­
mittee 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 be­
ginning 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 per­
sons especially designated. It is open to all faculty members. The exami­
nation 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 examin -
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.
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.
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.
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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>254</td>
<td>Principles of Genetics</td>
<td>3</td>
<td>Mr. Mainland</td>
</tr>
<tr>
<td>267</td>
<td>Soil Analysis</td>
<td>3</td>
<td>Mr. Sherman</td>
</tr>
<tr>
<td>268</td>
<td>Soil Diagnosis Laboratory</td>
<td>2</td>
<td>Mr. Sherman</td>
</tr>
<tr>
<td>291</td>
<td>Irrigation Practice</td>
<td>4</td>
<td>Mr. Wadsworth</td>
</tr>
</tbody>
</table>

First semester; 3 credits
Second semester; 3 credits (not offered 1947-48)
Second semester; 2 credits (not offered 1947-48)
300 DIRECTED RESEARCH  Mr. Storey, Mr. Beaumont, Mr. Frazier
Credits by arrangement

*301 ADVANCED SOIL TECHNOLOGY  Mr. Sherman
First semester; 3 credits (not offered 1947–48)

†302 ADVANCED GENETICS  Mr. Collins
Credit by arrangement

*303 ADVANCED SOIL CLASSIFICATION  Mr. Sherman
Second semester; 3 credits (not offered 1947–48)

*305 SOIL BIOTICS  Mr. Sherman
Second semester; 3 credits

†400 THESIS RESEARCH  Staff
Credit by arrangement

**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  Mr. Emory
First semester; 3 credits

253 HAWAIIAN CULTURE  Mr. Emory
Second semester; 3 credits

254 PEOPLES OF SOUTHERN ASIA  Miss Luomala
First semester; 3 credits

255 PEOPLES OF NORTHERN ASIA  Miss Luomala
Second semester; 3 credits

256 THE AMERICAN INDIAN  Miss Luomala
First semester; 3 credits

*265 PRIMITIVE SOCIETY  Mr. Mason
Second semester; 3 credits

*267 PRIMITIVE RELIGION  Miss Luomala
(Not offered 1947–48)

268 PRIMITIVE ART  Miss Luomala
(Not offered 1947–48)
### 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**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>*250</td>
<td>Economic Bacteriology</td>
<td>Mr. Bushnell</td>
</tr>
<tr>
<td></td>
<td>Year course; 2 credits each semester</td>
<td></td>
</tr>
<tr>
<td>*260</td>
<td>Medical Bacteriology</td>
<td>Mr. Hartmann</td>
</tr>
<tr>
<td></td>
<td>First semester; 3 credits</td>
<td></td>
</tr>
<tr>
<td>*262</td>
<td>Laboratory in Medical Bacteriology</td>
<td>Mr. Bushnell</td>
</tr>
<tr>
<td></td>
<td>First semester; 2 credits</td>
<td></td>
</tr>
<tr>
<td>*264</td>
<td>Immunology</td>
<td>Mr. Bushnell</td>
</tr>
<tr>
<td></td>
<td>Second semester; 3 credits</td>
<td></td>
</tr>
<tr>
<td>*300</td>
<td>Bacteriological Problems</td>
<td>Mr. Bushnell, Mr. Hartmann</td>
</tr>
<tr>
<td></td>
<td>First semester; credit by arrangement; repeated second semester</td>
<td></td>
</tr>
<tr>
<td>*400</td>
<td>Thesis Research</td>
<td>Staff</td>
</tr>
<tr>
<td></td>
<td>Credit by arrangement</td>
<td></td>
</tr>
</tbody>
</table>

### 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**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>202</td>
<td><strong>TAXONOMY AND EXPLORATION</strong></td>
<td>Mr. St. John</td>
</tr>
<tr>
<td></td>
<td>Second semester; 3 credits</td>
<td></td>
</tr>
<tr>
<td>253</td>
<td><strong>PLANT ECOLOGY</strong></td>
<td>Mr. St. John</td>
</tr>
<tr>
<td></td>
<td>(Not offered 1947–48)</td>
<td></td>
</tr>
<tr>
<td>254</td>
<td><strong>ADVANCED TAXONOMY</strong></td>
<td>Mr. St. John</td>
</tr>
<tr>
<td></td>
<td>First semester; 2 credits</td>
<td></td>
</tr>
<tr>
<td>258</td>
<td><strong>ADVANCED MYCOLOGY</strong></td>
<td>Mr. Lohman</td>
</tr>
<tr>
<td></td>
<td>(Not offered 1947–48)</td>
<td></td>
</tr>
<tr>
<td>263</td>
<td><strong>PLANT PATHOLOGY</strong></td>
<td>Mr. Lohman</td>
</tr>
<tr>
<td></td>
<td>Second semester; 3 credits</td>
<td></td>
</tr>
<tr>
<td>264</td>
<td><strong>PLANT PATHOLOGY TECHNIQUE</strong></td>
<td>Mr. Lohman</td>
</tr>
<tr>
<td></td>
<td>(Not offered 1947–48)</td>
<td></td>
</tr>
<tr>
<td>268</td>
<td><strong>PLANT MICROTECHNIQUE</strong></td>
<td>Mr. Britten</td>
</tr>
<tr>
<td></td>
<td>(Not offered 1947–48)</td>
<td></td>
</tr>
<tr>
<td>269</td>
<td><strong>PLANT ANATOMY</strong></td>
<td>Mr. Britten</td>
</tr>
<tr>
<td></td>
<td>First semester; 3 credits</td>
<td></td>
</tr>
<tr>
<td>273</td>
<td><strong>ADVANCED PLANT PHYSIOLOGY–BIOPHYSICS</strong></td>
<td>Mr. Engard</td>
</tr>
<tr>
<td></td>
<td>First semester; 3 credits</td>
<td></td>
</tr>
<tr>
<td>274</td>
<td><strong>LABORATORY TECHNIQUE IN BIOPHYSICS</strong></td>
<td>Mr. Engard</td>
</tr>
<tr>
<td></td>
<td>First semester; 2 credits</td>
<td></td>
</tr>
<tr>
<td>275</td>
<td><strong>ADVANCED PLANT PHYSIOLOGY–BIOCHEMISTRY</strong></td>
<td>Mr. Engard</td>
</tr>
<tr>
<td></td>
<td>Second semester; 3 credits</td>
<td></td>
</tr>
<tr>
<td>276</td>
<td><strong>LABORATORY TECHNIQUE IN BIOCHEMISTRY</strong></td>
<td>Mr. Engard</td>
</tr>
<tr>
<td></td>
<td>Second semester; 2 credits</td>
<td></td>
</tr>
<tr>
<td>279</td>
<td><strong>MORPHOLOGY OF CRYPTOGRAMIC PLANTS</strong></td>
<td>Mr. Lohman</td>
</tr>
<tr>
<td></td>
<td>First semester; 3 credits</td>
<td></td>
</tr>
<tr>
<td>280</td>
<td><strong>CYTOGENETICS</strong></td>
<td>Mr. Britten</td>
</tr>
<tr>
<td></td>
<td>First semester; 3 credits</td>
<td></td>
</tr>
<tr>
<td>281</td>
<td><strong>CYTOLOGY</strong></td>
<td>Mr. Britten</td>
</tr>
<tr>
<td></td>
<td>(Not offered 1947–48)</td>
<td></td>
</tr>
<tr>
<td>300</td>
<td><strong>BOTANICAL RESEARCH</strong></td>
<td>Staff</td>
</tr>
<tr>
<td></td>
<td>Credit by arrangement</td>
<td></td>
</tr>
</tbody>
</table>

18
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.
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 Second semester; 3 credits Mr. Shoemaker

270 Public Utilities Mr. Hoeber
(Not offered 1947-48)

273 Ocean Transportation Second semester; 3 credits Mr. Cameron
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester</th>
<th>Credits</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>276</td>
<td>Trusts and Industrial Combinations</td>
<td>First semester</td>
<td>3</td>
<td>Mr. Cameron</td>
</tr>
<tr>
<td>277</td>
<td>Economics of Machine Industry</td>
<td>Second semester</td>
<td>3</td>
<td>Mr. Cameron</td>
</tr>
<tr>
<td>281</td>
<td>Labor Problems</td>
<td>First semester</td>
<td>3</td>
<td>Mr. Roberts</td>
</tr>
<tr>
<td>283</td>
<td>Labor Legislation</td>
<td>First semester</td>
<td>3</td>
<td>Mr. Roberts</td>
</tr>
<tr>
<td>285</td>
<td>International Trade</td>
<td>Second semester</td>
<td>3</td>
<td>Mr. Kraemer</td>
</tr>
<tr>
<td>291</td>
<td>Agricultural Economics</td>
<td>First semester</td>
<td>3</td>
<td>Mr. Kraemer</td>
</tr>
<tr>
<td>292</td>
<td>Land Economics</td>
<td>Second semester</td>
<td>3</td>
<td>Mr. Kraemer</td>
</tr>
<tr>
<td>296</td>
<td>Economic Thought and Advanced Economic Theory</td>
<td>First semester</td>
<td>3</td>
<td>Mr. Kirkpatrick</td>
</tr>
<tr>
<td>*300</td>
<td>Directed Reading and Research</td>
<td>Year course</td>
<td>3 credits</td>
<td>Staff</td>
</tr>
<tr>
<td>310</td>
<td>Seminar in Labor Problems</td>
<td>First semester</td>
<td>3</td>
<td>Mr. Shoemaker</td>
</tr>
<tr>
<td>315</td>
<td>Seminar in Far Eastern Economic Problems</td>
<td>Second semester</td>
<td>3</td>
<td>Mr. Shoemaker</td>
</tr>
<tr>
<td>*400</td>
<td>Thesis Research</td>
<td></td>
<td></td>
<td>Staff</td>
</tr>
</tbody>
</table>

**Business**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester</th>
<th>Credits</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>250</td>
<td>Intermediate Accounting</td>
<td>First semester</td>
<td>4</td>
<td>Mr. Glover</td>
</tr>
<tr>
<td>251</td>
<td>Advanced Accounting</td>
<td>Second semester</td>
<td>4</td>
<td>Mr. Glover</td>
</tr>
<tr>
<td>254</td>
<td>Cost Accounting</td>
<td>First semester</td>
<td>3</td>
<td>Mr. Glover</td>
</tr>
<tr>
<td>255</td>
<td>Analysis of Financial Statements</td>
<td>Second semester</td>
<td>3</td>
<td>Mr. Glover</td>
</tr>
<tr>
<td>256</td>
<td>Income Tax Problems</td>
<td>First semester</td>
<td>3</td>
<td>Mr. Glover</td>
</tr>
<tr>
<td>257</td>
<td>Merchandise Accounting and Control</td>
<td>Second semester</td>
<td>3</td>
<td>Mr. Glover</td>
</tr>
<tr>
<td>263</td>
<td>Personnel Management</td>
<td>Second semester</td>
<td>3</td>
<td>Mr. Roberts</td>
</tr>
<tr>
<td>264</td>
<td>Principles of Business</td>
<td>First semester</td>
<td>3</td>
<td>Mr. Cameron</td>
</tr>
<tr>
<td>265</td>
<td>Corporation Finance</td>
<td>Second semester</td>
<td>3</td>
<td>Mr. Kirkpatrick</td>
</tr>
</tbody>
</table>
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

*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
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

23
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)** Mr. Korn (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** 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** 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 \textbf{PARASITOLOGY} \hspace{1cm} \text{Mr. Alicata}
First semester; 3 credits

*260 \textbf{HISTOLOGY} \hspace{1cm} \text{Mr. Hamre}
First semester; 3 credits

*262 \textbf{MICROTECHNIQUE} \hspace{1cm} \text{Mr. Hamre}
Second semester; 2 credits

*281 \textbf{TAXONOMY AND ECOLOGY OF THE INVERTEBRATES} \hspace{1cm} \text{Mr. Hiatt}
Second semester; 3 credits

*285 \textbf{ORGANIC EVOLUTION} \hspace{1cm} \text{Mr. Hiatt}
Second semester; 2 credits

300 \textbf{DIRECTED RESEARCH} \hspace{1cm} \text{Staff}
Credit by arrangement

*310 \textbf{ZOOLOGY SEMINAR} \hspace{1cm} \text{Staff}
Year course; 1 credit each semester; may be taken repeatedly

311 \textbf{ENTOMOLOGY SEMINAR} \hspace{1cm} \text{Mr. Tuthill, Mr. Holdaway}
First semester; 1 credit; may be taken repeatedly

352 \textbf{INSECT ECOLOGY} \hspace{1cm} \text{Mr. Tuthill}
(Alternate years; not offered 1947–48)

353 \textbf{PRINCIPLES OF APPLIED ENTOMOLOGY} \hspace{1cm} \text{Mr. Tuthill, Mr. Holdaway}
(Alternate years; not offered 1947–48)

*355–356 \textbf{INSECT-TRANSMITTED DISEASES OF PLANTS} \hspace{1cm} \text{Mr. Carter}
Second semester; 1 credit; may be taken repeatedly

*400 \textbf{THESIS RESEARCH} \hspace{1cm} \text{Mr. Tuthill, Mr. Holdaway}
Credit by arrangement

\textbf{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.


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.

\textbf{Chinese}

200 \textbf{THIRD-YEAR CHINESE} \hspace{1cm} \text{Mrs. Chong}
Year course; 3 credits each semester

25
293-294 METHODS AND BIBLIOGRAPHY IN CHINESE STUDIES
Year course; 3 credits each semester
Mr. Taam

400 THESIS RESEARCH
Credit by arrangement

Japanese

203 JAPANESE TRANSLATION AND INTERPRETATION
Year course; 3 credits each semester
Mr. Uyehara

260 JAPANESE LITERATURE IN ENGLISH
Year course; 2 credits each semester
Mr. Uyehara

300 DIRECTED READING OR RESEARCH
Credit by arrangement
Mr. Uyehara

400 THESIS RESEARCH
Credit by arrangement

History

201 HISTORY OF THE FAR EAST
Year course; 3 credits each semester
Mr. Sakamaki

225 HISTORY OF CHINA
Year course; 3 credits each semester
Mr. White

226 HISTORY OF JAPAN
Year course; 3 credits each semester
Mr. Sakamaki

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

300 DIRECTED RESEARCH
Credit by arrangement

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

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

Anthropology

254 PEOPLES OF SOUTHERN ASIA
First semester; 3 credits
Miss Luomala

255 PEOPLES OF NORTHERN ASIA
Second semester; 3 credits
Miss Luomala
### Philosophy
- **265 Philosophy, East and West**
  - First semester; 3 credits (not offered 1947–48)
  - Mr. Moore
- **270 Indian Philosophy**
  - First semester; 3 credits (not offered 1947–48)
  - Mr. Moore
- **271 Chinese Philosophy**
  - First semester; 3 credits
  - Mr. Fung
- **283–284 Buddhist Philosophy**
  - Year course; 2 credits each semester (not offered 1947–48)

### Government
- **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

### Economics
- **252 Economic Problems of the Far East**
  - First semester; 3 credits
  - Mr. Shoemaker
- **315 Seminar in Far Eastern Economic Problems**
  - Second semester; 3 credits
  - Mr. Shoemaker

### Geography
- **255 Geography of Asia**
  - Second semester; 3 credits
  - Mr. Manchester

### 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 Mr. Saunders
First semester; 3 credits (not offered 1947-48)

248 THE CONSTITUTION OF THE AMERICAN STATES Mr. Spellacy
Second semester; 3 credits

252 INTRODUCTION TO CONSTITUTIONAL LAW Mr. Spellacy
First semester; 3 credits

254 MUNICIPAL GOVERNMENT Mr. Spellacy
First semester; 3 credits

256 AMERICAN POLITICAL PARTIES Mr. Saunders
Second semester; 3 credits

261 INTERNATIONAL ORGANIZATION Mr. Bachman
Second semester; 2 credits (not offered 1947-48)

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

266 EUROPEAN GOVERNMENTS Mr. Saunders
First semester; 3 credits

268 GOVERNMENT AND POLITICS OF THE SOVIET UNION Mr. Saunders
Second semester; 3 credits

271 GOVERNMENT OF DEPENDENCIES Mr. Leebrick
First semester; 3 credits

*282 INTRODUCTION TO PUBLIC ADMINISTRATION Mr. Spellacy
First semester; 3 credits
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>283</td>
<td>PERSONNEL ADMINISTRATION</td>
<td>Mr. Spellacy</td>
</tr>
<tr>
<td></td>
<td>Second semester; 3 credits (not offered 1947-48)</td>
<td></td>
</tr>
<tr>
<td>284</td>
<td>ADMINISTRATIVE LAW</td>
<td>Mr. Meller</td>
</tr>
<tr>
<td></td>
<td>Second semester; 3 credits</td>
<td></td>
</tr>
<tr>
<td>285</td>
<td>ADMINISTRATIVE MANAGEMENT</td>
<td>Mr. Saunders</td>
</tr>
<tr>
<td></td>
<td>Second semester; 3 credits (not offered 1947-48)</td>
<td></td>
</tr>
<tr>
<td>290</td>
<td>MODERN POLITICAL PHILOSOPHY</td>
<td>Mr. Saunders</td>
</tr>
<tr>
<td></td>
<td>Second semester; 3 credits</td>
<td></td>
</tr>
<tr>
<td>300</td>
<td>DIRECTED READING AND RESEARCH</td>
<td>Mr. Saunders</td>
</tr>
<tr>
<td></td>
<td>Year course; credit by arrangement</td>
<td></td>
</tr>
<tr>
<td>310</td>
<td>SEMINAR IN PUBLIC ADMINISTRATION</td>
<td>Mr. Spellacy, Mr. Meller</td>
</tr>
<tr>
<td></td>
<td>Year course; 2 credits each semester</td>
<td></td>
</tr>
<tr>
<td>*400</td>
<td>THESIS RESEARCH</td>
<td>Staff</td>
</tr>
<tr>
<td></td>
<td>Credit by arrangement</td>
<td></td>
</tr>
</tbody>
</table>

**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**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>201</td>
<td>HISTORY OF THE FAR EAST</td>
<td>Mr. Sakamaki</td>
</tr>
<tr>
<td></td>
<td>Year course; 3 credits each semester</td>
<td></td>
</tr>
<tr>
<td>208</td>
<td>EXPANSION OF EUROPEAN CIVILIZATION</td>
<td>Mr. Sakamaki</td>
</tr>
<tr>
<td></td>
<td>First semester; 3 credits</td>
<td></td>
</tr>
<tr>
<td>209-210</td>
<td>HISTORY OF ENGLAND</td>
<td>Mr. Murphy</td>
</tr>
<tr>
<td></td>
<td>Year course; 3 credits each semester</td>
<td></td>
</tr>
<tr>
<td>211</td>
<td>CONSTITUTIONAL HISTORY OF ENGLAND</td>
<td>Mr. Hunter</td>
</tr>
<tr>
<td></td>
<td>First semester; 3 credits (not offered 1947-48)</td>
<td></td>
</tr>
<tr>
<td>213</td>
<td>HISTORY OF MODERN RUSSIA</td>
<td>Mr. Marder</td>
</tr>
<tr>
<td></td>
<td>First semester; 3 credits</td>
<td></td>
</tr>
<tr>
<td>214</td>
<td>HISTORY OF SOVIET RUSSIA</td>
<td>Mr. Marder</td>
</tr>
<tr>
<td></td>
<td>Second semester; 3 credits</td>
<td></td>
</tr>
<tr>
<td>220-221</td>
<td>HISTORY OF THE BRITISH EMPIRE</td>
<td>Mr. Murphy</td>
</tr>
<tr>
<td></td>
<td>Year course; 3 credits each semester</td>
<td></td>
</tr>
<tr>
<td>225</td>
<td>HISTORY OF CHINA</td>
<td>Mr. White</td>
</tr>
<tr>
<td></td>
<td>Year course; 3 credits each semester</td>
<td></td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Instructor</td>
</tr>
<tr>
<td>-------------</td>
<td>-----------------------------------------------------------</td>
<td>--------------</td>
</tr>
<tr>
<td>226</td>
<td>History of Japan</td>
<td>Mr. Sakamaki</td>
</tr>
<tr>
<td></td>
<td>Year course; 3 credits each semester</td>
<td></td>
</tr>
<tr>
<td>229</td>
<td>History of the Relations between China and the Occident</td>
<td>Mr. White</td>
</tr>
<tr>
<td></td>
<td>Year course; 3 credits each semester</td>
<td></td>
</tr>
<tr>
<td>242-243</td>
<td>History of the United States</td>
<td>Mr. Hunter</td>
</tr>
<tr>
<td></td>
<td>Year course; 3 credits each semester</td>
<td></td>
</tr>
<tr>
<td>245</td>
<td>Diplomatic History of the United States</td>
<td>Mr. Hunter</td>
</tr>
<tr>
<td></td>
<td>First semester; 3 credits</td>
<td></td>
</tr>
<tr>
<td>246</td>
<td>American Thought and Culture</td>
<td>Mr. Hunter</td>
</tr>
<tr>
<td></td>
<td>Second semester; 3 credits</td>
<td></td>
</tr>
<tr>
<td>250</td>
<td>History of Early Civilization in the Far East</td>
<td>Mr. Sakamaki</td>
</tr>
<tr>
<td></td>
<td>First semester; 3 credits</td>
<td></td>
</tr>
<tr>
<td>251</td>
<td>History of Thought in Japan</td>
<td>Mr. Sakamaki</td>
</tr>
<tr>
<td></td>
<td>Second semester; 3 credits</td>
<td></td>
</tr>
<tr>
<td>252</td>
<td>Constitutional History of the United States</td>
<td>Mr. Hunter</td>
</tr>
<tr>
<td></td>
<td>Second semester; 3 credits</td>
<td></td>
</tr>
<tr>
<td>257</td>
<td>Europe in the Nineteenth Century</td>
<td>Mr. Marder</td>
</tr>
<tr>
<td></td>
<td>First semester; 3 credits</td>
<td></td>
</tr>
<tr>
<td>258</td>
<td>Europe since Versailles</td>
<td>Mr. Marder</td>
</tr>
<tr>
<td></td>
<td>Second semester; 3 credits</td>
<td></td>
</tr>
<tr>
<td>276</td>
<td>History of the Hawaiian Islands</td>
<td>Mr. Kuykendall</td>
</tr>
<tr>
<td></td>
<td>Second semester; 2 credits (not offered 1947–48)</td>
<td></td>
</tr>
<tr>
<td>277</td>
<td>The Pacific Region in Modern Times</td>
<td>Mr. Kuykendall</td>
</tr>
<tr>
<td></td>
<td>Year course; 2 credits each semester</td>
<td></td>
</tr>
<tr>
<td>295</td>
<td>Cultural History of China</td>
<td>Mr. White</td>
</tr>
<tr>
<td></td>
<td>Year course; 3 credits each semester</td>
<td></td>
</tr>
<tr>
<td>*300</td>
<td>Directed Research</td>
<td>Staff</td>
</tr>
<tr>
<td></td>
<td>Credit by arrangement</td>
<td></td>
</tr>
<tr>
<td>*310</td>
<td>Seminar in Historical Method</td>
<td>Mr. Hunter</td>
</tr>
<tr>
<td></td>
<td>First semester; 3 credits</td>
<td></td>
</tr>
<tr>
<td>*313</td>
<td>Seminar in Historiography</td>
<td>Mr. Hunter</td>
</tr>
<tr>
<td></td>
<td>Second semester; 3 credits</td>
<td></td>
</tr>
<tr>
<td>315</td>
<td>Seminar in Japanese History</td>
<td>Mr. Sakamaki</td>
</tr>
<tr>
<td></td>
<td>Second semester; 3 credits</td>
<td></td>
</tr>
<tr>
<td>316</td>
<td>Seminar in Chinese History</td>
<td>Mr. White</td>
</tr>
<tr>
<td></td>
<td>First semester; 3 credits</td>
<td></td>
</tr>
<tr>
<td>318</td>
<td>Russia in Asia</td>
<td>Mr. Marder</td>
</tr>
<tr>
<td></td>
<td>Second semester; 3 credits (not offered 1947–48)</td>
<td></td>
</tr>
<tr>
<td>319</td>
<td>Europe in the Far East</td>
<td>Mr. Marder</td>
</tr>
<tr>
<td></td>
<td>First semester; 3 credits (not offered 1947–48)</td>
<td></td>
</tr>
<tr>
<td>*400</td>
<td>Thesis Research</td>
<td>Staff</td>
</tr>
<tr>
<td></td>
<td>Credit by arrangement</td>
<td></td>
</tr>
</tbody>
</table>
**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*
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  
First semester; 3 credits  
Mr. McCarthy

*253 PROBLEMS OF PHILOSOPHY  
Second semester; 3 credits  
Mr. McCarthy

262 AESTHETICS  
First semester; 3 credits  
Mr. Ames

265 PHILOSOPHY, EAST AND WEST  
First semester; 3 credits (not offered 1947-48)  
Mr. Moore

270 INDIAN PHILOSOPHY  
First semester; 3 credits (not offered 1947-48)  
Mr. Moore

271 CHINESE PHILOSOPHY  
First semester; 3 credits  
Mr. Fung

275 PHILOSOPHY OF RELIGION  
First semester; 3 credits  
Mr. Ames

281 CONFUCIAN PHILOSOPHY  
First semester; 3 credits (not offered 1947-48)  
Mr. Fung

282 TAOIST PHILOSOPHY  
First semester; 3 credits  
Mr. Fung

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  
Second semester; 3 credits  
Mr. McCarthy

*300 READING AND RESEARCH  
Credit by arrangement

303 SEMINAR IN CHINESE PHILOSOPHY  
Credit by arrangement  
Mr. Fung

*400 THESIS RESEARCH  
Credit by arrangement  
Staff
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**
Credit by arrangement Staff

*351-352 **Theoretical Physics** Mr. Eller, Mr. Bramhall
By arrangement; 6 credits

*400 **Thesis Research**
Credit by arrangement Staff

**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**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>250</td>
<td>Applied Psychology</td>
<td>3</td>
<td>Mr. Forbes</td>
</tr>
<tr>
<td>256</td>
<td>Business and Industrial Psychology</td>
<td>3</td>
<td>Mr. Forbes</td>
</tr>
<tr>
<td>*260</td>
<td>Statistical Techniques in Psychology</td>
<td>3</td>
<td>Mr. Bown</td>
</tr>
<tr>
<td>*264</td>
<td>Psychological Measurements</td>
<td>3</td>
<td>Mr. Bown</td>
</tr>
<tr>
<td>*270</td>
<td>Physiological Psychology</td>
<td>3</td>
<td>Mr. Forbes</td>
</tr>
<tr>
<td>*275</td>
<td>Systematic Psychology</td>
<td>3</td>
<td>Mr. Bown</td>
</tr>
<tr>
<td>*280</td>
<td>Social Psychology</td>
<td>3</td>
<td>Mr. Vinacce</td>
</tr>
<tr>
<td>283</td>
<td>Psychology of Personality</td>
<td>3</td>
<td>Mr. Vinacce</td>
</tr>
<tr>
<td>286</td>
<td>Political Psychology</td>
<td>3</td>
<td>Mr. Vinacce</td>
</tr>
<tr>
<td>290</td>
<td>Clinical Psychology</td>
<td>3</td>
<td>Miss Peixotto</td>
</tr>
<tr>
<td>291</td>
<td>Clinical Psychology</td>
<td>3</td>
<td>Miss Peixotto</td>
</tr>
<tr>
<td>292</td>
<td>Mental Hygiene</td>
<td>3</td>
<td>Mr. Livesay</td>
</tr>
<tr>
<td>294</td>
<td>Problems in Clinical Psychology</td>
<td>3</td>
<td>Mr. Herrick</td>
</tr>
<tr>
<td>*295</td>
<td>Abnormal Psychology</td>
<td>3</td>
<td>Mr. Forbes</td>
</tr>
<tr>
<td>300</td>
<td>Directed Reading or Research</td>
<td></td>
<td>Staff</td>
</tr>
<tr>
<td>*400</td>
<td>Thesis Research</td>
<td></td>
<td>Staff</td>
</tr>
</tbody>
</table>

**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
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Instructor(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>262</td>
<td>SPEECH IMPROVEMENT</td>
<td>Mrs. Carr</td>
</tr>
<tr>
<td></td>
<td>First semester; 1 credit; repeated second semester</td>
<td></td>
</tr>
<tr>
<td>295</td>
<td>RHETORIC</td>
<td>Mr. Cornwell</td>
</tr>
<tr>
<td></td>
<td>First semester; 3 credits</td>
<td></td>
</tr>
<tr>
<td>298</td>
<td>SPECIAL PROBLEMS</td>
<td>Mrs. Carr, Mr. Cornwell, Mr. Ernst, Mr. Smith, Mr. Trapido</td>
</tr>
<tr>
<td></td>
<td>1 to 5 credits by arrangement</td>
<td></td>
</tr>
<tr>
<td>300</td>
<td>RESEARCH</td>
<td>Mrs. Carr, Mr. Cornwell, Mr. Ernst, Mr. Smith, Mr. Trapido</td>
</tr>
<tr>
<td></td>
<td>1 to 6 credits by arrangement; repeated second semester</td>
<td></td>
</tr>
<tr>
<td>320</td>
<td>SEMINAR IN PHONETICS AND SPEECH CORRECTION</td>
<td>Mrs. Carr, Staff</td>
</tr>
<tr>
<td></td>
<td>First semester; 1 to 3 credits by arrangement; repeated second semester</td>
<td></td>
</tr>
<tr>
<td>330</td>
<td>SEMINAR IN INTERPRETATION</td>
<td>Mr. Smith, Staff</td>
</tr>
<tr>
<td></td>
<td>First semester; 1 to 3 credits by arrangement; repeated second semester</td>
<td></td>
</tr>
<tr>
<td>340</td>
<td>SEMINAR IN DRAMATICS</td>
<td>Mr. Ernst, Mr. Trapido, Staff</td>
</tr>
<tr>
<td></td>
<td>First semester; 1 to 3 credits by arrangement; repeated second semester</td>
<td></td>
</tr>
<tr>
<td>350</td>
<td>SEMINAR IN RHETORIC AND PUBLIC ADDRESS</td>
<td>Mr. Cornwell</td>
</tr>
<tr>
<td></td>
<td>First semester; 1 to 3 credits by arrangement; repeated second semester</td>
<td></td>
</tr>
<tr>
<td></td>
<td>*400 THESIS RESEARCH</td>
<td>Staff</td>
</tr>
<tr>
<td></td>
<td>Credit by arrangement</td>
<td></td>
</tr>
</tbody>
</table>

**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**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Instructor(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>240</td>
<td>INTRODUCTION TO ECOLOGY</td>
<td>Mr. Hiatt, Mr. Holdaway, Mr. Richardson</td>
</tr>
<tr>
<td></td>
<td>First semester; 2 credits</td>
<td></td>
</tr>
<tr>
<td>253</td>
<td>PARASITOLOGY</td>
<td>Mr. Alicata</td>
</tr>
<tr>
<td></td>
<td>First semester; 3 credits</td>
<td></td>
</tr>
<tr>
<td>260</td>
<td>HISTOLOGY</td>
<td>Mr. Hamre</td>
</tr>
<tr>
<td></td>
<td>First semester; 3 credits</td>
<td></td>
</tr>
</tbody>
</table>
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