CATALOG OF GRADUATE STUDY
GRADUATE DIVISION
OFFICERS OF ADMINISTRATION

David L. Crawford, LL.D., President of the University.
Arthur R. Keller, M.S., Vice-President of the University.
Paul S. Bachman, Ph.D., Director of the Graduate Division.
Royal N. Chapman, Ph.D., Dean of the Graduate School of Tropical Agriculture.
Gregg M. Sinclair, M.A., Director of the Oriental Institute.
Thomas A. Jaggar, Ph.D., Director of the Kilauea Volcano Observatory.
Helen B. MacNeil, M.A., Registrar.

The Graduate Committee:

CALENDAR
1937-1938

1937
June 28  Summer Session begins.
August 6  Summer Session closes.
Sept. 24-25  Registration, 30th Annual Session.

1938
Feb. 7-12  Mid-year examinations.
Feb. 17  Registration, second semester.
May 1  Last day for arranging date of final examination for advanced degrees.
June 13-18  Final examinations.
June 15  All dissertations must have been deposited in the University Library.
June 21  27th Annual Commencement.
June 27  Summer Session begins.
FACULTY

Only those faculty members are listed who offer courses giving credit toward advanced degrees.

BOTANY
Harold St. John, Ph.D., Taxonomy.
Oscar N. Allen, Ph.D., Bacteriology.
Daniel M. Weller, Plant Anatomy and Histology.
G. Keith Farris, Ph.D., Plant Pathology.

CHEMISTRY
Frank T. Dillingham, M.A., Agricultural and Biological Chemistry.
Earl M. Bilger, Ph.D., Physical Chemistry.
L. N. Bilger, Ph.D., Organic Chemistry.
John H. Payne, Ph.D., Organic Chemistry.

ECONOMICS AND BUSINESS
Merton K. Cameron, Ph.D., Economics.
Matthew M. Graham, C.P.A., Accounting.
Harold J. Hoflich, Ph.D., Finance.

EDUCATION
Benjamin O. Wist, M.A., Educational Administration and History of Education.
Thayne M. Livesay, Ph.D., Educational Psychology and Secondary Education.
Ephraim V. Sayers, Ph.D., Educational Philosophy and Elementary Education.
Fred E. Armstrong, M.A., Agricultural Education.
R. Ray Scott, Ph.D., Adult Education and Educational Sociology.
Willis B. Coale, Ph.D., Teaching of English.
Madorah E. Smith, Ph.D., Educational Psychology and Measurements.
Jessee A. Tanner, Ph.D., History of Education.
Bruce White, Ph.D., Educational Psychology and Secondary Education.
George P. Gordan, M.A., History of Education.

GEOGRAPHY
John W. Coulter, Ph.D., Economic Geography.
Stephen B. Jones, Ph.D., Political Geography.

INTERNATIONAL RELATIONS
William H. George, Ph.D., Comparative Government.
Paul S. Bachman, Ph.D., International Relations.
Ralph S. Kuykendall, M.A., Pacific History.
Charles H. Hunter, Ph.D., American Diplomatic History.

LITERATURE
W. Norwood Brigance, Ph.D., Speech.
Gregg M. Sinclair, M.A., Comparative Literature.
Irwin O. Pecker, M.A., French and Spanish Literature.
Shao Chang Lee, M.A., Chinese Literature.
Charles H. Neil, M.A., English Literature.
Laura V. Schwartz, Ph.D., English Literature.
Carl G. Stroven, M.A., American Literature.
Willard Wilson, M.A., English Drama.
Florence Henderson, Ph.D., Speech.
Tadao Kunitomo, M.A., Japanese Literature.

NUTRITION
Carey D. Miller, M.S., Nutrition.
Katherine Bazore, M.A., Nutrition.

PHYSICS
Willard H. Eller, Ph.D., Electricity and Magnetism.
Stanley S. Ballard, Ph.D., Spectroscopy.

SOCIAL ANTHROPOLOGY
Felix M. Keesing, D.Litt., Anthropology.
Andrew W. Lind, Ph.D., Sociology.
Clarence E. Glick, M.A., Sociology.

SOCIAL WORK TRAINING
Eileen Blackey, M.S.S., Director of the Course.

ZOOLOGY
Charles H. Edmondson, Ph.D., Marine Biology.
Christopher J. Hamre, Ph.D., Histology.
Milton A. Miller, Ph.D., Zoology.

FACULTY OF THE GRADUATE SCHOOL OF TROPICAL AGRICULTURE
Royal N. Chapman, Ph.D., Dean.

BOTANICAL SCIENCES
Oscar N. Allen, Ph.D., Bacteriology.
A. J. Eames, Ph.D., Morphology.
Maurice B. Linford, Ph.D., Plant Pathology.
Harold L. Lyon, Ph.D., Forest Botany.
Gordon T. Nightingale, Ph.D., Plant Physiology.
Christos P. Sideris, Ph.D., Plant Physiology.
Harold St. John, Ph. D., Taxonomy.

CHEMISTRY AND SOILS
Stanley S. Ballard, Ph.D., Physics.
Leonora N. Bilger, Ph.D., Organic Chemistry.
Francis E. Hance, Ph.D., Soil Chemistry.
Oscar C. Magistad, Ph.D., Soil Chemistry.
Harold S. Palmer, Ph.D., Geology.
Harold A. Wadsworth, B.S., Soil Physics.

ENTOMOLOGY
Walter Carter, Ph.D., Entomology.
Cyril E. Pemberton, A.B., Entomology.
Carl T. Schmidt, Ph.D., Entomology.
Otto H. Swezey, M.S., Entomology.

GENETICS
Julius L. Collins, Ph.D., Genetics.
Albert J. Mangelsdorf, Sc.D., Genetics.
FACULTY OF THE ORIENTAL INSTITUTE

Gregg M. Sinclair, M.A., Director.
Shao Chang Lee, M.A., Chinese Language and History.
Wing-Tsit Chan, Ph.D., Philosophy.
Kalidas Nag, D. Litt., Indian Culture.
Paul S. Bachman, Ph.D., International Relations.
Charles A. Moore, Ph.D., Philosophy.
Stanley D. Porteus, D. Sc., Psychology.
Andrew W. Lind, Ph.D., Sociology.
Clarence E. Glick, M.A., Sociology.
Felix M. Keesing, D. Litt., Anthropology.
John W. Coulter, Ph.D., Geography.
William H. Taylor, Ph.D., Economics.
Ralph S. Kuykendall, M.A., History.
Walter J. Homan, Ph.D., Religion.
Tadao Kunitomo, M.A., Japanese Literature.
Shunzo Sakamaki, M.A., Japanese History.
Yukuo Uyehara, M.A., Japanese Language.

KILAUEA VOLCANO LABORATORY STAFF

Thomas A. Jaggar, Ph.D., Director.
Harold S. Palmer, Ph.D., Geology.
Stanley S. Ballard, Ph.D., Geophysics.
GRADUATE STUDY IN THE UNIVERSITY OF HAWAII

The University of Hawaii offers opportunities for graduate study and research in botany, chemistry, economics and business, education, geography, international relations, literature, nutrition, Oriental studies, physical geology and geophysics, physics, social anthropology, social work training, and in the sciences underlying tropical agriculture.

In certain of these fields the opportunities are exceptionally good. Peoples of the Occident, Orient and South Seas meet and mingle in the Territory, offering unique 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. For those interested in physical geology and geophysics, no superior natural laboratory exists, for through cooperative agreement with the National Park service the facilities of the Kilauea Volcano laboratory are available to qualified graduate students and research workers. Similarly the location of the Islands offers the student 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 the various 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 certain research organizations cooperating with the University in the Graduate School of Tropical Agriculture. These cooperative 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, conducted jointly by the University and the United States Department of Agriculture.

The Bernice P. Bishop Museum with its extensive collections of Hawaiian and South Pacific plants and insects.

Opportunities for graduate work are not confined to those fields where local conditions offer unique possibilities for study and research. The University has long emphasized the study of the cultures and civilizations of the Far East, ranking third among American universities in 1930 in the number of courses offered. Furthermore, it has been the practice of the University to have visiting professors from China and Japan join the faculty for a semester or a year. For the further development of this field, the Oriental Institute has recently been established and the offering of graduate work in Far Eastern studies increased. In this connection the special facilities for the study of Oriental languages and for the translation of documentary material should not be overlooked. The central location of the Territory with respect to the Pacific area and the excellent library facilities afforded by the University, the Institute of Pacific Relations, the Bishop Museum, the Carter Library, and the Territorial Archives, create a unique opportunity for the study of history and international relations of the Pacific.

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 their respective professions.
Libraries

The University Library contains approximately 91,673 volumes and 290,760 pamphlets. Special emphasis has been placed upon the collection of research materials relating to the Pacific and Far East. Publications in Chinese, Japanese and Russian are cataloged 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 Institute of Pacific Relations, specializing in publications relating to the Pacific area and housed on the University campus; 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, of special importance to the student of tropical agriculture. In addition, at the Hawaiian Volcano Observatory there is a good collection of publications relating to volcanology and seismology. Efforts have been made by these libraries to avoid needless duplication in the building up of their respective collections.

Graduate Study in the Summer Session

A six weeks summer session affords opportunities for teachers and others who are unable to attend during the regular session. A number of courses carrying graduate credit in various fields are offered by a faculty drawn from both sides of the Pacific. The School of Pacific and Oriental Affairs, a special feature of the summer session, provides facilities for graduate study and research in the cultures and problems of the nations bordering the Pacific. In the 1937 session emphasis will be placed on international relations. Other special features of the summer session are the opportunities for graduate research at the Kilauea Volcano Laboratory and the special offering in social work training.

Organization

The Graduate Division is administratively independent of the undergraduate colleges but closely cooperates with them in curriculum and instructional personnel. The general rules and regulations governing graduate study are laid down by the Graduate Committee, of which the Director of the Graduate Division is chairman. For the purpose of emphasizing advanced study in certain fields and of cooperating with affiliated research institutions, the following organizations have been established by the University administration:

The Graduate School of Tropical Agriculture.
The Oriental Institute.
The Kilauea Volcano Laboratory.

Guided by the general rules and regulations of the Graduate Committee, these organizations in their special fields admit students to candidacy, determine the courses of study to be pursued, supervise the preparation of theses, and recommend candidates for advanced degrees.

Admission

Admission to the Graduate Division is granted to graduates of reputable colleges and universities. Applications for admission should be made to the Director 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. Registration is not complete until such records are on file. These transcripts become a permanent part of the University files and are not returned.
Admission to the Graduate Division does not imply admission to candidacy for an advanced degree. Such admission is granted only after a special committee representing the department in which the candidate proposes to work for the advanced degree is satisfied as to the adequacy of his undergraduate preparation and his probable ability to successfully pursue graduate work. The question of admission to candidacy should ordinarily be determined during the student's first term of residence. 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 requirement of admission to candidacy. However, the Graduate Division reserves the right to deny further registration to any student whose work is not of a grade sufficiently high to warrant continuation.

Graduate work done at other institutions may be accepted as fulfilling part of the requirements for an advanced degree. However, in no case may the amount so accepted exceed one half of the credit hours required for the degree. Seniors in the University 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 graduate student is permitted to register for more than sixteen credit hours a semester or for more than six hours in a summer session. The number of credit hours which may be carried by student assistants is limited by the nature of their duties.

When a student has been accepted as a candidate for an advanced degree and a thesis topic chosen, a special committee is appointed to supervise the remaining portion of his work.

Requirements for Advanced Degrees

THE MASTER'S DEGREE

The University awards three Master's degrees, namely, the Master of Arts, the Master of Science, and the Master of Education. The type of Master's degree granted is determined by the candidate's bachelor degree unless the requirements of more than one bachelor's degree have been met. Graduate students majoring in Education are eligible for the Master of Education degree only.

The minimum period of residence is one academic year. Four summer sessions with additional non-residence research or study may be accepted as fulfilling the residence requirement. Candidates for the Master's degree are ordinarily expected to complete the work for the degree within five years of the date on which they first registered. However, upon the recommendation of the committee in charge of the candidate's work the Director of the Graduate Division may grant an extension of time in cases where illness, employment on outside islands, or the nature of the thesis subject makes it impossible to complete the work for the degree within the five-year period.

Thirty semester hours of graduate work are required for the Master's degree of which not less than six nor more than twelve hours shall be in research courses where the work done is directly connected with the preparation of the thesis. Of the credits for the Master's degree other than those received in connection with the preparation of the thesis, at least one-half must be earned in courses numbered 300 or over.

All of the course work taken by the candidate should be in his major field of interest or in closely allied subjects. A reading knowledge of a foreign language may be required of a candidate at the discretion of the committee in charge of his work. A thesis is required of all candidates for the Master's degree. It should deal with a topic within the field of the major. The thesis must be written in acceptable English and show evidences of ability to do independent research and to arrive at logical conclusions. The thesis topic should be determined at the time when the
student is admitted to candidacy and should be prepared under the supervision of a special committee, appointed for that purpose. Arrangements for the final examination should be made with the Director of the Graduate Division at least one month prior to the end of the semester in which the candidate expects to receive the degree. At least one week prior to the date of the final examination, the completed thesis must be in the hands of the chairman of the committee in charge of his candidacy for final checking by members of this committee. The thesis should be accompanied by a short summary of the findings or conclusions. Instruction as to the form of the thesis may be obtained from the Director of the Graduate Division.

The examination is conducted by a committee composed of the members of the candidate’s advisory committee and any other person especially designated. It is open to all faculty members. The examination is on the thesis but may cover any fundamental knowledge required for the carrying out of the research work or necessary to the conclusions reached. If the results of the examination are satisfactory, a typewritten and carbon copy of the thesis signed by the members of the examining committee must be deposited in the Library as the permanent property of the University, together with a fee for the binding of both copies.

CIVIL ENGINEER DEGREE

The degree of Civil Engineer (C.E.) will be granted to Bachelors of Science in Civil Engineering from this institution, who, after graduation, shall complete two years of practical experience in their chosen profession, present a satisfactory paper upon some topic of interest connected with their work, complete certain assigned problems, and pass required examinations. Regulations governing the granting of this degree are essentially those regulating candidates for the Master’s degree, in so far as fees, registration, completion dates, etc., are concerned.

SUGAR TECHNOLOGIST DEGREE

The degree of Sugar Technologist (S.T.) may be granted to Bachelors of Science in Sugar Technology from this institution and to other Bachelors of Science whose undergraduate work has included the proper basic studies. To become a candidate for this degree, two years of practical experience after graduation are required and the candidate must successfully pass a qualifying examination based on assigned reading in the general field of sugar technology. Later a thesis, or final report, covering some topic of distinct value and closely allied to the practical work of the candidate, must be presented for the approval of the candidate’s committee. Regulations governing this degree are essentially those regulating candidates for Master’s degrees.

DOCTOR OF PHILOSOPHY DEGREE

The Doctor of Philosophy degree is offered only in the Graduate School of Tropical Agriculture.

For the Doctor of Philosophy degree the student is required to spend at least three academic years in residence, at least one year of which must be at the University of Hawaii, to complete satisfactorily a program of research and study prescribed by the committee in charge of his candidacy; and to pass the necessary 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, and a student will not be formally considered a candidate for the Doctor’s degree until he has passed this examination. The final examination will be given on completion of the Doctor’s dissertation, and will comprise a presentation and defense of the dissertation.

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: 30 hours of graduate
credit of which at least 15 hours must be in the field of educational philosophy, educational psychology, history of education, elementary or secondary curriculum, or school administration.

Tuition and Fees

All regular graduate students pay a tuition fee of $50 and a registration fee of $10 a semester. Graduate students registered for less than ten credit hours pay a combined tuition and registration fee of $5 a credit hour. Laboratory fees are required in many of the courses in the biological and physical sciences and vary with the individual course. Other fees include a $5 diploma fee and a $4 fee for the binding of the master's thesis.

Living Accommodations and Expenses

Excellent accommodations for men students are provided at Atherton House, a dormitory adjoining the campus and conducted along "international house" lines. The rate for board and room ranges from $40 to $55 a month. The Women's Dormitory furnishes room and evening meal (except Sundays) for $25 a month. Breakfasts and lunches are not included in the Women's Dormitory rate but may be obtained at the University Cafeteria at reasonable prices. Living accommodations in private homes near the University are available at moderate rates.

Graduate Scholarships and Fellowships

The University offers ten graduate scholarships covering tuition, registration, and laboratory fees to students qualified to pursue graduate study in any of the fields in which the University offers graduate work leading to the Master's degree. In addition, graduate assistantships are open to holders of the above scholarships and pay from $200 to $500 a year. Recipients of these assistantships are assigned to duties as research and laboratory assistants, section leaders, or readers.

During the summer of 1937 the University is offering graduate scholarships covering all tuition and laboratory fees at the Kilauea Volcano Laboratory to students of physical geology and geophysics.

A limited number of graduate scholarships are available to qualified students in the Oriental Institute. A more detailed description of these scholarships may be obtained from the Director of the Oriental Institute.

Several research fellowships are offered by the Graduate School of Tropical Agriculture to qualified graduate students with the Master's degree or its equivalent. Application for these fellowships should be made to the Dean of the Graduate School of Tropical Agriculture.
COURSES FOR GRADUATE STUDENTS

Listed below are the courses accepted for graduate credit in those fields in which the University grants advanced degrees. It does not necessarily include all courses acceptable for graduate credit. Permission to take related courses if numbered 200 or over may be granted by the committee in charge of the candidate's work. In all courses numbered 200-299 the graduate student must receive a grade of B or better to obtain credit in the course. A more detailed description of the courses listed below may be found in the University Catalogue.

Courses not offered in 1937-38 are marked with an asterisk (*).

Botany

COURSES FOR GRADUATE AND UNDERGRADUATE STUDENTS

BOTANY

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
<th>Instructor(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>210</td>
<td>Botanical Seminar</td>
<td>2 credits</td>
<td>Staff</td>
</tr>
<tr>
<td>253</td>
<td>Plant Ecology</td>
<td>4 credits</td>
<td>St. John</td>
</tr>
<tr>
<td>254</td>
<td>Advanced Taxonomy</td>
<td>2 or more credits</td>
<td>St. John</td>
</tr>
<tr>
<td>258</td>
<td>Agricultural Bacteriology</td>
<td>4 credits</td>
<td>Allen</td>
</tr>
<tr>
<td>260</td>
<td>Medical Bacteriology</td>
<td>4 credits</td>
<td>Allen</td>
</tr>
<tr>
<td>263</td>
<td>Plant Pathology</td>
<td>3 credits</td>
<td>Parris</td>
</tr>
<tr>
<td>265</td>
<td>Taxonomy of the Dicotyledons</td>
<td>3 credits</td>
<td>St. John</td>
</tr>
<tr>
<td>267</td>
<td>Taxonomy of the Higher Dicotyledons</td>
<td>1 credit</td>
<td>St. John</td>
</tr>
<tr>
<td>268</td>
<td>Microtechnique</td>
<td>3 credits</td>
<td>Weller</td>
</tr>
<tr>
<td>269</td>
<td>Plant Anatomy</td>
<td>3 credits</td>
<td>Weller</td>
</tr>
<tr>
<td>270</td>
<td>Physiology of Bacteria</td>
<td>3 credits</td>
<td>Allen</td>
</tr>
<tr>
<td>271</td>
<td>Proseminar in Plant Physiology</td>
<td>1 credit each</td>
<td></td>
</tr>
<tr>
<td>272</td>
<td>Laboratory Practice in Advanced Physiology</td>
<td>1 or 2 credits each</td>
<td></td>
</tr>
</tbody>
</table>

COURSES PRIMARILY FOR GRADUATE STUDENTS

BOTANY

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
<th>Instructor(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>300</td>
<td>Botanical Research</td>
<td>Hours and credits to be arranged.</td>
<td>Staff</td>
</tr>
<tr>
<td>303</td>
<td>Plant Pathology Seminar</td>
<td>1 credit</td>
<td>Linford</td>
</tr>
</tbody>
</table>

†Courses offered in the Graduate School of Tropical Agriculture.
\[\text{Research in Plant Pathology}\]

Hours and credits to be arranged.

\[\text{Absorption and Movement of Water in the Plant}\]

First semester, 1 credit.

\[\text{Mineral Nutrition}\]

Second semester, 1 credit.

\[\text{Plant Anatomy}\]

Second semester, 1 credit.

\[\text{Research in Plant Physiology}\]

Hours and credits to be arranged.

\[\text{Plant Physiology Literature}\]

Credits to be arranged.

\[\text{Thesis Research}\]

Credits to be arranged.

Related Courses: Candidates for the Master's degree in this field may, on the advice of the committee in charge of their candidacy, take a minor portion of their work in one or two closely allied fields, such as: Zoology, Chemistry or Nutrition.

**Chemistry**

**COURSES FOR GRADUATES AND UNDERGRADUATES**

**CHEMISTRY**

211 Physical Chemistry
First and second semesters, 3 credits each.

212 Physical Chemistry Laboratory
First and second semesters, 1 credit each.

260 Biological Chemistry
First semester, 3 credits.

261 Agricultural Chemistry
Second semester, 4 credits.

262 Biological Chemistry Laboratory
First semester, 1 credit.

263 Food Analysis
Second semester, 3 credits.

**COURSES PRIMARILY FOR GRADUATES**

**CHEMISTRY**

\[\text{Research in Organic Chemistry}\]

L. N. Bilger
First and second semesters, hours and credits to be arranged.

\[\text{Seminar: Chemical and Physical Studies in Biological Fields}\]

L. N. Bilger
First and second semesters, 1 credit.

313 Advanced Physical Chemistry Laboratory
First and second semesters, 1 credit each.

315 Chemical Literature
First and second semesters, 1 to 3 credits each.

316 Advanced Quantitative Analysis
Credits to be arranged.

\[\text{Courses offered in the Graduate School of Tropical Agriculture.}\]
### Advanced Organic Chemistry
First and second semesters, credits to be arranged.

### Chemistry Research
Credits to be arranged.

### Organic Analysis
Second semester, 3 credits.

### Thesis Research
Credits to be arranged.

Related courses: Candidates for the Master's degree in Chemistry may, on the advice of the committee in charge of their candidacy, take a minor portion of their work in one or two of the following fields: Physics, Mathematics, Botany, Zoology, or Nutrition.

### Economics and Business

#### Courses Open to Graduate and Undergraduate Students

**ECONOMICS**

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>223</td>
<td>History of Economic Institutions</td>
<td>3 each</td>
<td>Cameron</td>
</tr>
<tr>
<td>250</td>
<td>Economic Problems of Far Eastern Countries</td>
<td>3</td>
<td>Taylor</td>
</tr>
<tr>
<td>251</td>
<td>European Economic Problems</td>
<td>3</td>
<td>Taylor</td>
</tr>
<tr>
<td>252</td>
<td>International Problems of the Pacific Basin</td>
<td>3</td>
<td>Taylor</td>
</tr>
<tr>
<td>256</td>
<td>Money, Credit and Prices</td>
<td>3</td>
<td>Hoflich</td>
</tr>
<tr>
<td>257</td>
<td>Banking</td>
<td>3</td>
<td>Hoflich</td>
</tr>
<tr>
<td>261</td>
<td>Public Finance</td>
<td>3</td>
<td>Hoflich</td>
</tr>
<tr>
<td>265</td>
<td>International Finance</td>
<td>3</td>
<td>Taylor</td>
</tr>
<tr>
<td>270</td>
<td>Public Utilities</td>
<td>3</td>
<td>Cameron</td>
</tr>
<tr>
<td>273</td>
<td>Ocean Transportation</td>
<td>3</td>
<td>Cameron</td>
</tr>
<tr>
<td>276</td>
<td>Trust and Industrial Combinations</td>
<td>3</td>
<td>Cameron</td>
</tr>
<tr>
<td>281</td>
<td>Labor Problems</td>
<td>3</td>
<td>Taylor</td>
</tr>
<tr>
<td>285</td>
<td>Theory and Control of Foreign Trade</td>
<td>3</td>
<td>Taylor</td>
</tr>
<tr>
<td>288</td>
<td>Risk Bearing and Speculation</td>
<td>3</td>
<td>Hoflich</td>
</tr>
<tr>
<td>291</td>
<td>Agriculture Economics</td>
<td>3</td>
<td>Taylor</td>
</tr>
<tr>
<td>296</td>
<td>Recent Economic Thought</td>
<td>3</td>
<td>Hoflich</td>
</tr>
</tbody>
</table>

*Not offered in 1937-38.*
BUSINESS

250-251 Intermediate Accounting
First semester, 2 credits.
Graham

255 An Analysis of Financial Statements
Second semester, 2 credits.
Graham

256 Income Tax Problems and Procedure
Second semester, 2 credits.
Graham

264 Principles of Business
Second semester, 3 credits.
Cameron

265 Corporation Finance
Second semester, 3 credits.
Hoflich

*266 Investment and Investment Banking
First semester, 3 credits.
Hoflich

267 Business Cycles and Business Forecasting
First semester, 3 credits.
Hoflich

*273 Economics of Advertising
Second semester, 3 credits.
Taylor

275 Technique of Foreign Trade
Second semester, 3 credits.
Taylor

*276 Economics of Retail Merchandising
First semester, 3 credits.
Taylor

280 Salesmanship and Sales Management
Second semester, 3 credits.
Taylor

291 Statistics
Second semester, 3 credits.
Hoflich

COURSES PRIMARILY FOR GRADUATE STUDENTS

ECONOMICS

305-306 Seminar in General Economics
Second semester, maximum of 3 credits.
Cameron

310-311 Seminar in International Economics and Trade
First and second semesters, maximum of 3 credits each.
Taylor

315-316 Seminar in Finance
First and second semesters, maximum of 3 credits each.
Hoflich

400 Thesis Research
Credits to be arranged.
Staff

BUSINESS

305-306 Seminar in General Business
First and second semesters, maximum of 3 credits each.
Staff

400 Thesis Research
Credits to be arranged.
Staff

*Not offered in 1937-38.
Related courses: Candidates for the Master's degree in Economics and Business may, on the advice of the committee in charge of their candidacy, take a minor portion of their work in one or two of the other Social Sciences.

Education

COURSES FOR GRADUATES AND UNDERGRADUATES

EDUCATION

250-251 Secondary Education
First and second semesters, 3 credits each.
Livesay
259 Child Psychology
First semester, 2 credits.

260 Statistical Method
First semester, 2 credits.

261 Educational Measurements
Either semester, 2 credits.

267 Psychology and Treatment of Exceptional Children
Second semester, 2 credits.

268 Mental Hygiene
First or second semesters, 2 credits.

285-286 Elementary Education.
First and second semesters, 3 credits each.

291 Adult Education—Aims and Principles
Second semester, 2 credits.

293 Comparative Education
First or second semesters, 2 credits.

294 Educational Sociology
First or second semesters, 2 credits.

295 History of Education in the United States
First or second semesters, 2 credits.

296 History of Education in Hawaii
First semester, 2 credits.

297 Hawaiian Educational History in Modern Times
Second semester, 2 credits.

COURSES PRIMARILY FOR GRADUATES

EDUCATION

300 Reading and Research
Either semester, 1 to 3 credits.

340 Philosophy of Education
First or second semester, 3 credits.

345 Seminar in Philosophy of Education
First and second semesters, 2 credits each.

350 History of Education
First or second semester, 3 credits.

361 Mental Deficiency and Abnormality
First semester, 2 credits.

363 Educational Administration
Second semester, 3 credits.

371 Experimental Child Study
Second semester, 2 to 3 credits.

376 Seminar in Vocational Education
First or second semester, 2 credits.

380 Seminar in Research and Thesis Writing
First semester, 2 credits.

390 School Organization and Management
First or second semester, 2 credits.

400 Thesis Research
Credits to be arranged.

SPECIAL COURSES
The following Teachers College courses may be taken for graduate
credit only with permission of the candidate's committee and only where they are closely related to the field of study represented by the candidate's thesis.

**BIOLOGY**

- 236 Science for the Elementary School  
  First or second semester, 2 credits.  
  Brown

- 240 Biology  
  First and second semesters, 4 credits.  
  Brown

**EDUCATION**

- 270 Agricultural Project Work  
  Second semester, 3 credits.  
  Armstrong

- 271 Principles of Vocational Education  
  Second semester, 3 credits.  
  Armstrong

- 272 Teaching Agricultural Related Subjects  
  First semester, 3 credits.  
  Armstrong

- 274 Methods of Teaching Vocational Agriculture  
  First semester, 3 credits.  
  Armstrong

**ENGLISH**

- 290-291 English in the Elementary School  
  First and second semesters, 3 credits each.  
  Coale

- 292-293 English in the Secondary School  
  First and second semesters, 2 credits each.  
  Coale

- 294-295 Literature for the Elementary School  
  First or second semester, 1 credit.  
  Coale

**GEOGRAPHY**

- 261 Occupational Geography  
  First or second semester, 3 credits.  
  Jones

- *262 Hawaiian Geography  
  First semester, 2 credits.  
  Coulter

- 263 Geography of the Pacific Islands  
  Second semester, 2 credits.  
  Coulter

**MUSIC**

- 250 Music for the Intermediate and Upper Elementary Years  
  First semester, 2 credits.  
  Kahananui

- 251 Music for the Kindergarten-Primary Years  
  Second semester, 2 credits.  
  Kahananui

- 252 Music in the Secondary School  
  Second semester, 2 credits.  
  Kahananui

- 261 Music History to the Classical Period  
  Second semester, 2 credits.  
  Kahananui

- 262 Classicism and Romanticism in Music  
  First semester, 2 credits.  
  Kahananui

- 263 Twentieth Century Music  
  Second semester, 2 credits.  
  Kahananui

**SOCIAL SCIENCE**

- 251 Social Science in the Secondary School  
  Second semester, 2 credits.  
  Gordon
271 Social Science Materials for Children
First or second semester, 1 credit.

Related Courses: Candidates for the Master of Education degree may take at least one half (12 hours) of the course requirement for the degree in a teaching field or in courses closely related to the subject of their thesis. The attention of candidates whose major interest is educational psychology is called to the following courses in psychology.

**PSYCHOLOGY**

252 Racial Psychology
Second semester, 2 credits.
Porteus

280 Social Psychology
First semester, 2 credits.
Babcock

300 Reading or Research
Either semester, credit to be arranged.
Staff

**Geography**

COURSES FOR GRADUATES AND UNDERGRADUATES

**GEOGRAPHY**

200 Field Geography
Hours and credits to be arranged.
Coulter

252 Geography of North America
First semester, 3 credits.
Coulter

255 Geography of Asia
Second semester, 3 credits.
Coulter

262 Geography of Hawaii
First semester, 2 credits.
Coulter

263 Geography of Pacific Islands
Second semester, 2 credits.
Coulter

271 Political Geography
First semester, 2 credits.
Jones

COURSES PRIMARILY FOR GRADUATES

**GEOGRAPHY**

300 Geography Seminar
Credits to be arranged.
Coulter, Jones

301 Seminar in Political Geography
Credits to be arranged.
Jones

400 Thesis Research
Credits to be arranged.
Coulter, Jones

Related courses: Candidates for the Master's degree in Geography may, on the advice of the committee in charge of their candidacy, take a minor portion of their work in one or two of the related social sciences.

International Relations

COURSES FOR GRADUATES AND UNDERGRADUATES

**POLITICAL SCIENCE**

258 Conduct of American Foreign Relations
Second semester, 2 credits.
Hunter
261 International Law
First and second semesters, 2 credits each.  
Bachman

267 Principles and Problems of American Diplomacy
First semester, 2 credits.  
Hunter

268 International Relations of the Far East
First and second semesters, 2 credits each.  
Bachman

HISTORY

204 Diplomatic History of Modern Europe
First and second semesters, 2 credits each.  
Hunter

*244-245 Diplomatic History of the United States
First and second semesters, 3 credits each.  
Hunter

277 The Pacific Region in Modern Times
First semester, 3 credits.  
Kuykendall

ECONOMICS

252 International Economic Problems of the Pacific Basin
Second semester, 3 credits.  
Taylor

*265 International Finance
Second semester, 3 credits.  
Taylor

285 Theory and Control of Foreign Trade
First semester, 3 credits.  
Taylor

COURSES PRIMARILY FOR GRADUATES

POLITICAL SCIENCE

301 Seminar in Far Eastern International Relations
First and second semesters, 2 credits each.  
Bachman

305 The Classics of International Law
First and second semesters, 2 credits each.  
George

400 Thesis Research
Credits to be arranged.  
Staff

HISTORY

310 Seminar in Historical Method
First semester, 2 credits.  
Hunter

*311 Seminar in American Diplomatic History
Second semester, 2 credits.  
Hunter

312 Seminar in European Diplomatic History
Second semester, 2 credits.  
Bachman

313 Seminar in Historiography
Second semester, 2 credits.  
Hunter

400 Thesis Research
Credits to be arranged.  
Staff

ECONOMICS

310-311 Seminar in International Economics and Trade
First and second semesters, maximum of 3 credits each.  
Taylor

Related courses: Candidates for the Master's degree in International Relations will ordinarily be required by the committee in charge of their candidacy to take advanced courses in the geography, history and economics of the particular region to which their thesis topic relates.
For example:

**Economics**

250 Economic Problems of Far Eastern Countries  
Second semester, 3 credits.  
Taylor

*251 European Economics Problems  
Second semester, 3 credits.  
Taylor

**Geography**

*252 Geography of North America  
First semester, 3 credits.  
Coulter

255 Geography of Asia  
Second semester, 3 credits.  
Coulter

263 Geography of Pacific Islands  
Second semester, 2 credits.  
Coulter

*271 Political Geography  
First semester, 2 credits.  
Jones

**Literature**

**Courses for Graduates and Undergraduates**

**English**

250 European Masters  
First and second semesters, 3 credits each.  
Sinclair

*252 World Literature  
First and second semesters, 3 credits each.  
Sinclair

260 American Literature  
First and second semesters, 3 credits each.  
Stroven

262 The Frontier in American Literature  
First and second semesters, 3 credits each.  
Stroven

*266 Special Studies in American Literature  
First and second semesters, 3 credits each.  
Stroven

270 The English Novel from the Beginning to the Present  
First and second semesters, 3 credits each.  
Neil

272 English Drama from the Beginning to the Present  
First and second semesters, 3 credits each.  
Wilson

*274 The Age of Chaucer  
First semester, 3 credits.  
Schwartz

*275 The Age of Elizabeth  
Second semester, 3 credits.  
Schwartz

276 Shakespeare  
First and second semesters, 3 credits each.  
Schwartz

*280 The Age of Milton  
First and second semesters, 3 credits each.  
Sinclair

282 The Age of Pope and Johnson  
First and second semesters, 3 credits each.  
Schwartz

284 The Age of Wadsworth  
First and second semesters, 3 credits each.  
Neil

*286 The Victorian Period  
First and second semesters, 3 credits each.  
Neil

288 The Twentieth Century  
First and second semesters, 3 credits each.  
Schwartz
COURSES PRIMARILY FOR GRADUATES

ENGLISH

300 Speech Pathology
Without laboratory, 2 credits; with laboratory, 4 credits. Henderson

*310 The Development of Modern English
Credits to be arranged. Schwartz

350 Seminar in English Literature
Hours and credits to be arranged. Staff

360 Seminar in American Literature
Hours and credits to be arranged. Staff

400 Thesis Research
Hours and credits to be arranged. Staff

Related courses: Candidates for the Master's degree in Literature will major in English Literature (including American Literature) but may, on the advice of the committee in charge of their candidacy, take certain of the courses listed below.

ENGLISH (Teaching Methods)

290-291 English in the Elementary School
First and second semesters, 3 credits each. Coale

292-293 English in the Secondary School
First and second semesters, 3 credits each. Coale

294-295 Literature for the Elementary School
First and second semesters, 3 credits each.

FRENCH

250 Classic Drama
First semester, 2 credits. Pecker

251 Romantic School
Second semester, 2 credits. Pecker

252 Modern French Drama
First semester, 2 credits. Pecker

253 Advanced French Seminar
Hours and credits to be arranged. Pecker

260-261 Modern French Literature
Hours and credits to be arranged. Pecker

SPANISH

250 Spanish Classics
First semester, 2 credits. Pecker

251 Advanced Spanish Seminar
Second semester, 2 credits. Pecker

252 Modern Spanish Novel
First semester, 2 credits. Pecker

253 Modern Spanish Drama
Second semester, 2 credits. Pecker

ORIENTAL STUDIES

221 Chinese Literature
First and second semesters, 2 credits each. Lee
223 Japanese Literature
First and second semesters, 2 credits each.
Kunitomo

240 Japanese Literature in English
First and second semesters, 2 credits each.
Kunitomo

250-251 Chinese Literature in English
First and second semesters, 2 credits each.
Lee

300 Seminar in Chinese Historical Literature
First and second semesters, 2 credits each.
Lee

301 Seminar in Japanese Historical Literature
Credits to be arranged.

Nutrition

COURSES FOR GRADUATES AND UNDERGRADUATES

CHEMISTRY

263 Food Analysis
Second semester, 3 credits.
Dillingham

BOTANY

260 Medical Bacteriology
First semester, 4 credits.
Allen

MATHEMATICS

280 Statistics
First semester, 3 credits.
Hoy

ZOOLOGY

260 Histology
First semester, 3 credits.
Hamre

262 Microtechnique
First semester, 2 credits.
Hamre

COURSES PRIMARILY FOR GRADUATES

CHEMISTRY

316 Advanced quantitative analysis
Credits to be arranged.
Dillingham

HOUSEHOLD SCIENCE

349 Research in nutrition
Credits to be arranged.
Miller, Bagore

350-351 Seminar in nutrition
First and second semesters, 1 credit each.
Miller

400 Thesis Research
Credits to be arranged.
Miller

Related courses: Candidates may be required by the committee in charge of their candidacy to take certain other advanced courses in closely related fields.

Physics

COURSES FOR GRADUATE AND UNDERGRADUATE STUDENTS

PHYSICS

255 Light
First semester, 3 credits.
Ballard

261 Advanced Physics
Hours and credits to be arranged.
Staff
233 Theoretical Mechanics
Hours and credits to be arranged.

266 Sound
Hours and credits to be arranged.

270 Heat
Hours and credits to be arranged.

275 Advanced Electricity and Magnetism
Hours and credits to be arranged.

280 Modern Physics
Second semester, 3 credits.

COURSES PRIMARILY FOR GRADUATE STUDENTS

PHYSICS

351 Theoretical Physics
Hours and credits to be arranged.

353 Advanced Physical Optics
Hours and credits to be arranged.

355 Spectroscopy
Hours and credits to be arranged.

356 Theory of Spectra
Hours and credits to be arranged.

357 Kinetic Theory of Gases
Hours and credits to be arranged.

358 Thermodynamics
Hours and credits to be arranged.

360 Atomic Physics
Hours and credits to be arranged.

361 Graduate Physics
Hours and credits to be arranged.

400 Thesis Research
Credits to be arranged.

MATHEMATICS

254-255 Applications of Higher Mathematics in Engineering and Physical Science
First and second semesters, 3 credits each.

256 Infinite Series
Hours and credits to be arranged.

275 Theory of Equations
Second semester, 3 credits.

281 Advanced Statistics
Second semester, 3 credits.

282 Theory of Probability
Hours and credits to be arranged.

292 Elementary Group Theory
Hours and credits to be arranged.

300 Mathematical Research
Credits to be arranged.

302 Fundamental Concepts of Mathematics
Hours and credits to be arranged.
In addition to the courses listed below, qualified graduate students have the opportunity of conducting research at the Bishop Museum under the direction of its staff.

**COURSES FOR GRADUATES AND UNDERGRADUATES**

**ANTHROPOLOGY**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>250</td>
<td>Old Polynesia</td>
<td>2</td>
<td>Staff</td>
</tr>
<tr>
<td></td>
<td>First semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>251</td>
<td>Changing Polynesia</td>
<td>2</td>
<td>Staff</td>
</tr>
<tr>
<td></td>
<td>Second semester</td>
<td></td>
<td></td>
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<tr>
<td>253</td>
<td>Peoples of Asia (To be offered 1938-39.)</td>
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<tr>
<td>260</td>
<td>Race and Race Mixture</td>
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<tr>
<td></td>
<td>Hours and credits to be arranged.</td>
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<td></td>
</tr>
<tr>
<td>261</td>
<td>Primitive Social and Political Systems</td>
<td></td>
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<tr>
<td>262</td>
<td>Primitive Religion and Philosophy</td>
<td>2</td>
<td>Keesing</td>
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<tr>
<td></td>
<td>First semester</td>
<td></td>
<td></td>
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<tr>
<td>263</td>
<td>The Art and Literature of Primitive Peoples</td>
<td>2</td>
<td>Keesing</td>
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<td></td>
<td>Second semester</td>
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<tr>
<td>264</td>
<td>The Old Time Hawaiians (To be offered 1938-39.)</td>
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<tr>
<td>285</td>
<td>Pacific Peoples and Western Civilization</td>
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</tbody>
</table>

**SOCIOLOGY**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Instructor</th>
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</thead>
<tbody>
<tr>
<td>252</td>
<td>The Community</td>
<td>3</td>
<td>Lind</td>
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<tr>
<td></td>
<td>First semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>256</td>
<td>Race Relations in Hawaii</td>
<td>3</td>
<td>Lind</td>
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<tr>
<td></td>
<td>First semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>257</td>
<td>The Family</td>
<td>3</td>
<td>Glick</td>
</tr>
<tr>
<td></td>
<td>First semester</td>
<td></td>
<td></td>
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<tr>
<td>258</td>
<td>Human Migrations</td>
<td>3</td>
<td>Glick</td>
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<tr>
<td></td>
<td>First semester</td>
<td></td>
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<tr>
<td>259</td>
<td>Personality and Culture</td>
<td>3</td>
<td>Glick</td>
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<td></td>
<td>First semester</td>
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<tr>
<td>260</td>
<td>Population and Society</td>
<td>3</td>
<td>Lind</td>
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<td></td>
<td>Second semester</td>
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<tr>
<td>272</td>
<td>Collective Behavior</td>
<td>3</td>
<td>Glick</td>
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<td></td>
<td>Second semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>276</td>
<td>Principles of Sociology</td>
<td>3</td>
<td>Glick</td>
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<tr>
<td></td>
<td>Second semester</td>
<td></td>
<td></td>
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<tr>
<td>280-281</td>
<td>Individual Research in Sociology</td>
<td></td>
<td>Staff</td>
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<tr>
<td></td>
<td>First semester, credits to be arranged.</td>
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</tr>
<tr>
<td>282-283</td>
<td>Directed Reading in Sociology</td>
<td></td>
<td>Staff</td>
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<tr>
<td></td>
<td>First and second semesters, 2 credits each.</td>
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<tr>
<td>285</td>
<td>The Sociology of the Frontier</td>
<td>3</td>
<td></td>
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<tr>
<td></td>
<td>Second semester</td>
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</tr>
</tbody>
</table>
Graduate study in social work training has been instituted at the University in order to make available professional courses to those interested in meeting the qualifications necessary for the practice of social work.

COURSES PRIMARILY FOR GRADUATES

ANTHROPOLOGY

300 Advanced Reading
Hours and credits to be arranged.

310 Seminar in Anthropology
First and second semesters, 2 credits each.

400 Thesis Research
Credits to be arranged.

SOCIOLOGY

350-351 Race and Culture Contacts in Hawaii
First and second semesters, 2 credits each.

400 Thesis Research
Credits to be arranged.

Related courses: Candidates for the Master's degree in this field may, on the advice of the committee in charge of their candidacy, take certain closely related courses in other Social Sciences.

Social Work Training

COURSES PRIMARILY FOR GRADUATES

SOCIAL WORK TRAINING

300 Theory of Social Case Work
First and second semesters, 3 credits each.

302 Methods of Social Case Work
First and second semesters, 3 credits each.

350 Public Welfare Administration
One semester, 3 credits.

360 Personal Problems of Children
One semester, 3 credits.

ZOOLOGY

COURSES FOR GRADUATES AND UNDERGRADUATES

ZOOLOGY

210 Zoology Seminar
First and second semesters, 1 credit each.

251 Cellular Biology
Second semester, 2 credits.

253 Parasitology
Second semester, 3 credits.

254 Insect Morphology
First semester, 2 credits.

255 Systematic Entomology
Second semester, 2 credits.

260 Histology
First semester, 3 credits.

261 Vertebrate Embryology
Second semester, 3 credits.
Microtechnique
First semester, 2 credits.

Systematic Zoology
First and second semesters, credits to be arranged.

Evolution and Eugenics
Second semester, 2 credits.

COURSES PRIMARILY FOR GRADUATES

ZOOLOGY

300 Research in Zoology
Hours and credits to be arranged.

301 Principles of Applied Entomology
First and second semesters, 3 credits each.

400 Thesis Research
Credits to be arranged.

ENTOMOLOGY

†302 Research in Entomology
Hours and credits to be arranged.

†350 Insect Ecology
First semester, 2 credits.

†355 Insect Transmitted Diseases of Plants
Hours to be arranged.

Related courses: Candidates for the Master's degree in this field may, on the advice of the committee in charge of their candidacy take a minor portion of their work in Botany, Chemistry, Nutrition or other closely allied fields.

GRADUATE SCHOOL OF TROPICAL AGRICULTURE

Students in the Graduate School of Tropical Agriculture will ordinarily specialize in one of the following fields: (a) Entomology, (b) Genetics, (c) Soil Science, (d) Plant Physiology. In addition to the courses listed below certain regular courses in the University may be taken by candidates for the Master's degree. However, those taking graduate work in Tropical Agriculture beyond the Master's degree will be required to have an adequate knowledge of the sciences fundamental to the field in which they intend to pursue a major research problem and will register only for those courses listed below.

BOTANY

303 Plant Pathology Seminar
First semester, 1 credit.

304 Research in Plant Pathology
Hours and credits to be arranged.

305 Absorption and Movement of Water in the Plant
First semester, 1 credit.

306 Mineral Nutrition
Second semester, 1 credit.

309 Plant Anatomy
Second semester, 1 credit.

350 Research in Plant Physiology
Hours and credits to be arranged.

†Courses offered in the Graduate School of Tropical Agriculture.
351 Plant Physiology Literature
Credits to be arranged.

400 Thesis Research

CHEMISTRY

302 Research in Organic Chemistry
Hours and credits to be arranged.

310 Seminar: Chemical and Physical Studies in Biological Fields,
1 credit. Hours to be arranged.

ENTOMOLOGY

302 Research in Entomology
Hours and credits to be arranged.

350 Insect Ecology
First semester, 2 credits.

355 Insect Transmitted Diseases of Plants
Hours to be arranged.

400 Thesis Research

GENETICS

300 Seminar in Genetics
Hours to be arranged.

302 Research in Genetics
Hours and credits to be arranged.

400 Thesis Research

SOIL SCIENCE

300 Nutrient Availability in Soils
First semester, 1 credit.

302 Research in Soil Bacteriology, Soil Chemistry or Soil
Physics
American, Magistad, Wadsworth
Hours and credits to be arranged.

350 The Nitrogen Cycle
First semester, 1 credit.

351 Soil Physics and the Relation of Soil Moisture to Plant
Growth
Second semester, 1 credit.

352 Bacterial Decomposition
First semester, 1 credit.

400 Thesis Research

ORIENTAL INSTITUTE

The following is a partial list of graduate courses to be offered during
1937-38 in Oriental Studies and allied subjects.

To be admitted to candidacy for a Master's degree in Oriental Studies,
the student, in addition to the usual requirements, should have earned not
less than 38 grade points for 128 credit hours; two year's work in an
European language is required and some knowledge of an Oriental lan­
guage is desirable; in addition the candidate should have had basic courses
in Economics, Political Science, Sociology or Anthropology, Literature,
Philosophy.

COURSES FOR GRADUATES AND UNDERGRADUATES

ORIENTAL STUDIES

200B Advanced Language (Chinese)
Course for Occidental students
First and second semesters, 3 credits each.
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>221</td>
<td>Chinese Literature</td>
<td>First and second semesters, 2 credits each.</td>
</tr>
<tr>
<td>223</td>
<td>Japanese Literature</td>
<td>First and second semesters, 2 credits each.</td>
</tr>
<tr>
<td>240</td>
<td>Japanese Literature in English</td>
<td>First and second semesters, 2 credits each.</td>
</tr>
<tr>
<td>241</td>
<td>History of Oriental Religions</td>
<td>First and second semesters, 2 credits each.</td>
</tr>
<tr>
<td>250-251</td>
<td>Chinese Literature in English</td>
<td>First and second semesters, 2 credits each.</td>
</tr>
<tr>
<td>244-255</td>
<td>Chinese Philosophy and Art</td>
<td>First and second semesters, 2 credits each.</td>
</tr>
<tr>
<td>263</td>
<td>Chinese Aesthetics</td>
<td>Second semester, 3 credits.</td>
</tr>
<tr>
<td>269</td>
<td>Indian Culture and Civilization</td>
<td>Second semester, 2 credits.</td>
</tr>
<tr>
<td>261</td>
<td>Confucianism</td>
<td>First semester, 3 credits.</td>
</tr>
<tr>
<td>262</td>
<td>Taoism</td>
<td>Second semester, 3 credits.</td>
</tr>
<tr>
<td>263</td>
<td>Chinese Philosophy</td>
<td>First semester, 3 credits.</td>
</tr>
<tr>
<td>HISTORY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>220</td>
<td>History of Modern Japan</td>
<td>Second semester, 3 credits.</td>
</tr>
<tr>
<td>225</td>
<td>History of China</td>
<td>First and second semesters, 3 credits each.</td>
</tr>
<tr>
<td>226</td>
<td>History of Early Japan</td>
<td>First semester, 3 credits.</td>
</tr>
<tr>
<td>227</td>
<td>Chinese and Occidental Cultural Relations</td>
<td>First and second semesters, 2 credits each.</td>
</tr>
<tr>
<td>250</td>
<td>History of Early Civilization in the Far East</td>
<td>First semester, 2 credits.</td>
</tr>
<tr>
<td>251</td>
<td>History of Thought in Japan</td>
<td>Second semester, 2 credits.</td>
</tr>
<tr>
<td>277</td>
<td>The Pacific Region in Modern Times</td>
<td>First semester, 3 credits.</td>
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<td>ANTHROPOLOGY</td>
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<tr>
<td>253</td>
<td>Peoples of Asia</td>
<td>First semester, 2 credits.</td>
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<td>ECONOMICS</td>
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<tr>
<td>250</td>
<td>Economic Problems of Far Eastern Countries</td>
<td>Taylor</td>
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<td>ENGLISH</td>
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<td>252</td>
<td>World Literature</td>
<td>First and second semesters, 3 credits each.</td>
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<tr>
<td>GEOGRAPHY</td>
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<td>255</td>
<td>Geography of Asia</td>
<td>Second semester, 3 credits.</td>
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PHILOSOPHY

260-261 Idealism as a Philosophy
   First and second semesters, 3 credits each. Moore

270-271 Eastern Philosophies
   First and second semesters, 3 credits each. Chan-Nag

POLITICAL SCIENCE

266 International Relations of the Far East
   First and second semesters, 2 credits each. Bachman

PSYCHOLOGY

252 Racial Psychology
   Second semester, 2 credits. Porteus

SOCIOLOGY

256 Race Relations in Hawaii
   First semester, 2 credits. Lind

267 The Family
   First semester, 3 credits. Glick

COURSES PRIMARILY FOR GRADUATES

ORIENTAL STUDIES

300 Seminar in Chinese Historical Literature
   Hours and credits to be arranged. Lee

301 Seminar in Japanese Historical Literature
   Hours and credits to be arranged. Kunitomo

400 Thesis Research
   Hours to be arranged.

HISTORY

315 Seminar in Japanese History
   First and second semesters, 2 credits each. Sakamaki

PHILOSOPHY

321 Seminar in Comparative Philosophy
   Hours and credits to be arranged. Chan-Moore

POLITICAL SCIENCE

301 Seminar in Far Eastern International Relations
   First and second semesters, 2 credits each. Bachman

SOCIOLOGY

350-351 Race and Culture Contacts in Hawaii
   First and second semesters, 2 credits each. Lind

KILAUEA VOLCANO LABORATORY

The University maintains at Kilauea Crater facilities for research in Physical Geology, Geophysics and Volcanology by qualified graduate students and other research workers. Special opportunities are afforded during the summer months through the transfer of certain regular members of the University faculty to the Laboratory. Opportunities for graduate study, however, are not restricted to that period. Qualified graduate students and other research workers desiring to take advantage of the special facilities offered by the Laboratory should communicate with either Director Thomas A. Jaggar at the Kilauea Volcano Laboratory, Hawaii National Park or with the Director of Graduate Studies at the University.