UNIVERSITY OF HAWAII. The University of Hawaii is a federal land-grant and state university. It has colleges of Arts and Sciences, Business Administration, Continuing Education and Community Service, Education, Engineering, Health Sciences and Social Welfare (including schools of Medicine, Nursing, Public Health and Social Work), and Tropical Agriculture, a Graduate Division, a School of Library Studies, and a system of Community Colleges. It offers the bachelor's degree in 69 fields, the master's degree in 64 and the doctorate in 34.

ADMISSION. Applicants who fit any of the following categories need not apply for admission to the summer session ahead of time, but will be required to complete the summer Self-Certification Form during registration:
1. Graduate of an accredited college or university.
2. Student currently in good standing at an accredited college or university.
3. Student who was in good standing at the last accredited college or university attended.
4. Student who was placed on scholastic suspension or was dismissed after the spring semester of 1973 from the University of Hawaii.
5. Student on scholastic probation, but eligible for continued registration at an accredited college or university.
6. Student who has never attended college or university before, but who has been accepted for admission at an accredited college or university.
7. Student currently in good standing at a local community college and enrolled in the transfer curriculum.

Applicants who do not fit any of the categories listed above are required to submit official transcripts and SAT scores along with a regular Admissions Form by May 1, 1973 to the Office of Admissions and Records, 125 Bachman Hall, 2444 Dole Street, University of Hawaii, Honolulu, Hawaii 96822. Write to the Office of Admissions and Records for Admissions Forms.

Admission to the summer session does not imply admission to the fall or spring semester.

TUITION AND FEES. The tuition is $20 per (semester) credit hour for resident students and $30 per credit hour for out-of-state students. An activity fee and a campus center fee are charged every student. There are no laboratory or other course fees except for applied music, institutes, and other special programs. All fees must be paid in full at registration time. No money should be sent in advance.

STUDENT HOUSING. Single and double residence hall accommodations will be available to summer session students for the entire summer on a first-come first-served basis. Inquiries should be sent to: Office of Student Housing, Johnson Hall A Basement, 2555 Dole Street, Honolulu, Hawaii 96822. A weekday board program is included which offers a choice between a 10 meal or 15 meal per week plan.

The residence halls are newly completed facilities with reasonable student rates and feature a location convenient to the campus and the Waikiki area. Since students come from all over the mainland and from many foreign countries residents can benefit from the experience of cross-cultural contacts within a group setting.

Because of rapid changes, listings of off-campus accommodations cannot be mailed out. However, students, upon arrival in Honolulu, are invited to visit the Special Housing Office in Bachman annex to obtain information on off-campus housing; negotiations with landlords of such accommodations must be made by the student.

Special seminar or conference groups can be accommodated in on-campus residence halls; address inquiries to the Conference Coordinator at the above address.

CHANGES. The University reserves the right to make changes in curriculum and fees.

OTHER INFORMATION. Full details will be given in the 1973 summer session catalog, to be published in the spring. For a copy of the catalog, enclose $1.25 money order (for surface mail) or $2.00 money order (for air mail) and send your request to the Bookstore, University of Hawaii, 1760 Donaghho Road, Honolulu, Hawaii 96822. A final list of courses and other information will be available on registration day. Inquiries may be addressed to:

Summer Session Office
2500 Dole Street, Krauss 101
University of Hawaii
Honolulu, Hawaii 96822

UNIVERSITY OF HAWAII BULLETIN
Volume LII December 1972 Number 1
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1973 SUMMER SESSION CALENDAR

FIRST TERM (June 4—July 13)
June 4, Monday ........................................ Instruction begins
June 11, Monday ...................................... Holiday
July 4, Wednesday .................................... Holiday
July 13, Friday ......................................... First term ends

SECOND TERM (June 25—August 3)
June 25, Monday ...................................... Instruction begins
July 4, Wednesday .................................... Holiday
August 3, Friday ....................................... Second term ends

THIRD TERM (July 16—August 24)
July 16, Monday ...................................... Instruction begins
August 17, Friday ..................................... Holiday
August 24, Friday ..................................... Third term ends

AGRICULTURE, TROPICAL
Agriculture (Ag)
First Term
299 Agricultural Practice (2)
399 Agricultural Thesis (v)
Third Term
399 Agricultural Thesis (v)

Agricultural Economics (AgEc)
First Term
699 Directed Research (v)
800 Thesis (v)
Third Term
699 Directed Research (v)
800 Thesis (v)

Agricultural Engineering (AgEng)
First Term
699 Directed Research (v)
800 Thesis (v)
Third Term
699 Directed Research (v)
800 Thesis (v)

Agronomy (Agron)
First Term
410 Crop Techniques (6)
499 Directed Study (v)
699 Directed Research (v)
799 Directed Research (v)
800 Thesis (v)

Third Term
499 Directed Study (v)
651 Plant and Soil Analysis (3)
699 Directed Research (v)
799 Directed Research (v)
800 Thesis (v)

Animal Science (AnSc)
First Term
499 Directed Research (v)
699 Directed Research (v)
800 Thesis (v)
Third Term
499 Directed Research (v)
699 Directed Research (v)
800 Thesis (v)

Entomology (Ento)
First Term
699 Directed Research (v)
800 Thesis (v)
Third Term
699 Directed Research (v)
800 Thesis (v)

Food Science and Technology (FdSc)
First Term
699 Directed Research (v)
800 Thesis (v)
Third Term
699 Directed Research (v)
800 Thesis (v)
**Horticulture (Hort)**

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**Plant Pathology (PPath)**

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**American Studies (Am St)**

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<td>465</td>
<td>Popular Culture in America (3)</td>
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<td>Contemporary American Civilization (3)</td>
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<td>301</td>
<td>Man in Society (3)</td>
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<td></td>
<td>370</td>
<td>Music in Modern America (3)</td>
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<td>American Taste (3)</td>
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<td>Special Topics: Japanese-Americans (3)</td>
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<td>Special Topics: Filipino-Americans (3)</td>
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<td>Special Topics: Chinese-Americans (3)</td>
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<td>Black Americans and the American National Character (3)</td>
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<td>Leaders and Movements in American Thought (3)</td>
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<td>The Mass Media in American Society (3)</td>
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**Anatomy (Anat)**

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<td>Experimental Methods in the Study of Reproductive Behavior (v)</td>
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<td>Experimental Methods in the Study of Reproductive Behavior (v)</td>
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<td>Experimental Methods in the Study of Reproductive Behavior (v)</td>
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**Anthropology (Anth)**

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<td>Oceania (3)</td>
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<td>Archaeological Field Techniques (3)</td>
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<td>Undergraduate Proseminar: Archaeology (3)</td>
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**Architecture (Arch)**

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<td>334</td>
<td>Studio in Resort and Hotel Design (4)</td>
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<td>412</td>
<td>Working Drawings, Estimating and Specifications (3)</td>
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<td>Special Project in Resort and Hotel Design (3)</td>
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<td>471</td>
<td>Environmental Psychology (3)</td>
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*Pending approval
### ART (Art)

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<tr>
<td>First Term</td>
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<td>105 Elementary Studio-Ceramics (3)</td>
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<td>106 Elementary Studio-Sculpture (3)</td>
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<td>107 Elementary Studio-Photography (3)</td>
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<td>108 Elementary Studio-Drawing &amp; Painting (3)</td>
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<td>113 Introductory Studio &quot;A&quot; (3)</td>
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<td>207 Photography A (3)</td>
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<td>213 Life Drawing (3)</td>
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<td>215 Printmaking-Intaglio (3)</td>
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<td>270 Aspects of European and American Art (3)</td>
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### BIOPHYSICS (Bioph)

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<td>612 Advanced Botanical Problems (v)</td>
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<td>160 Identification of Tropical Plants (2)</td>
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<td>181 Plant Life of the Sea (4)</td>
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### BUSINESS ADMINISTRATION

#### Accounting (Acc)

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<td>325 Financial Accounting III (3)</td>
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<td>202 Elementary Accounting (3)</td>
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<td>202 Elementary Accounting (3)</td>
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<td>305 Cost Accounting (3)</td>
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<td>323 Financial Accounting II (3)</td>
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### ASIAN STUDIES (Asian)

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<tr>
<th>Term</th>
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<tr>
<td>First Term</td>
<td>241 Civilizations of Asia (3)</td>
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<td>601 Contemporary Chinese Studies (3)</td>
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<td>242 Civilizations of Asia (3)</td>
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<td>(Identical with Hist 242)</td>
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</table>
### Business (Bus)

**First Term**
- 601 Managerial Accounting (3) (June 4—Aug 10)
- 611 Statistical Methods of Business Analysis (3) (June 4—July 27)
- 621 Managerial Economics (3) (June 4—July 27)
- 631 Finance (3) (June 4—Aug 10)
- 641 Management: A Systems Analysis (3) (June 4—Aug 10)
- 642 Behavioral Science for Business (3) (June 4—Aug 10)
- 651 Marketing (3) (June 4—Aug 10)
- 796 Business Policy (3) (June 4—Aug 10)

**Business Analysis and Statistics (BAS)**

**First Term**
- 122 Mathematics for Decision Making II (3)
- 301 Business Statistics (3)
- 302 Business Statistics (3)
- 305 Accelerated Business Statistics (3)
- 321 Introduction to Quantitative Analysis (3)
- 351 Introduction to Computers and Data Processing (3)

**Second Term**
- 301 Business Statistics (3)

**Third Term**
- 122 Mathematics for Decision Making II (3)
- 301 Business Statistics (3)
- 302 Business Statistics (3)
- 351 Introduction to Computers and Data Processing (3)

### Business Economics (BEC)

**First Term**
- 201 Economic Environment of Business (3)
- 341 Economic Analysis for Decision Making (3)
- 343 Business Conditions Analysis (3)
- 345 Money, Credit and the Capital Market (3)
- 349 Managerial Economics (3)

**Second Term**
- 341 Economic Analysis for Decision Making (3)
- 343 Business Conditions Analysis (3)
- 345 Money, Credit and the Capital Market (3)

**Third Term**
- 201 Economic Environment of Business (3)
- 341 Economic Analysis for Decision Making (3)
- 343 Business Conditions Analysis (3)
- 349 Managerial Economics (3)

### Finance (Fin)

**First Term**
- 300 Business Finance (3)
- 305 Problems of Business Finance (3)
- 734 Investment Analysis and Management (3) (June 4—Aug 10)

**Second Term**
- 300 Business Finance (3)

**Third Term**
- 300 Business Finance (3)
- 311 Investments (3)

### Law (Law)

**First Term**
- 300 Legal Environment of Business I (3)
- 311 Legal Environment of Business II (3)

**Second Term**
- 300 Legal Environment of Business I (3)

**Third Term**
- 300 Legal Environment of Business I (3)

### Management (Mgt)

**First Term**
- 301 Management and Organizational Behavior (3)
- 302 Operations Management I (3)
- 321 Facilities and Productivity Management (3)
- 341 Human Relations in the Organization (3)
- 345 Business Policy (3)

**Third Term**
- 301 Management and Organizational Behavior (3)
- 322 Operations Management Control (3)
- 341 Human Relations in the Organization (3)
- 345 Business Policy (3)

### Marketing (Mkt)

**First Term**
- 300 Principles of Marketing (3)
- 315 Marketing Management (3)
- 321 Marketing Information Analysis (3)
- 381 Multi-National Marketing (3)
- 391 Marketing Strategies (3)

**Third Term**
- 300 Principles of Marketing (3)
- 331 Advertising Management (3)
- 341 Retailing Management (3)
- 371 Consumer Behavior (3)

### Personnel and Industrial Relations (PIR)

**First Term**
- 351 Personnel Selection and Training (3)
- 361 Labor Problems and Trade Unionism (3)

**Third Term**
- 353 Advanced Personnel Administration (3)
- 363 Collective Bargaining and Dispute Settlement (3)
- 365 Labor and Social Legislation (3)

### Real Estate (RE)

**First Term**
- 300 Principles of Real Estate and Urban Land Economics (3)
- 310 Real Estate Law (3)
- 773 Advanced Real Estate (3) (June 4—Aug 10)

**Second Term**
- 300 Principles of Real Estate and Urban Land Economics (3)

**Third Term**
- 300 Principles of Real Estate and Urban Land Economics (3)
- 310 Real Estate Law (3)
- 330 Property Valuation (3)
Transportation (Trans)

First Term
352 Passenger Transportation (3)

Travel Industry Management (TIM)

First Term
101 Introduction to Travel Industry Management (3)
100 Internship (0)
200 Internship (0)
300 Internship (1)
400 Internship (1)
301 Hotel Management (3)
361 Law and Regulation for the Travel Industry (3)

Second Term
100 Internship (0)
300 Internship (1)
400 Internship (1)
351 Studies in Hotel Management Controls (3)

Third Term
100 Internship (0)
200 Internship (0)
300 Internship (1)
400 Internship (1)

CHEMISTRY (Chem)

First Term
114 General Chemistry (3)
116 General Chemistry Laboratory (1)
133 Elementary Quantitative Analysis (2)
134 Elementary Quantitative Analysis Laboratory (2)
243 Organic Chemistry (3)
244 Organic Chemistry Laboratory (1)
399 Directed Research (v)
799 Directed Research (v)

Second Term
100 Chemistry and Man (3)
101 Chemistry and Man Laboratory (1)
399 Directed Research (v)
799 Directed Research (v)

Third Term
244 Organic Chemistry (3)
246 Organic Chemistry Laboratory (1)
399 Directed Research (v)
799 Directed Research (v)

DRAMA AND THEATRE (Drama)

First Term
160 Introduction to Drama and Theatre (3)
221 Beginning Acting (3)
281 Beginning Modern Dance (3)
283 Beginning Ballet (3)
299 Theatre Practice (3)
372 Drama in Performance (3)
381 Intermediate Modern Dance (3)
383 Intermediate Ballet (3)
481 Advanced Modern Dance (3)
483 Advanced Ballet (3)

Second Term
221 Beginning Acting (3)

EAST ASIAN LANGUAGES

General (EALa)

Nine-Week Term June 4-August 3
400(1) Directed Fourth-Level Study: Chinese (6)
400(2) Directed Fourth-Level Study: Japanese (6)
400(3) Directed Fourth-Level Study: Korean (6)

Chinese (Chnse)

First Term
101 Elementary Chinese (3)
103 Accelerated Elementary Chinese (6)
105 Special Elementary Chinese (3)
201 Intermediate Chinese (4)
## ECONOMICS (Econ)

### First Term
- 120 Introduction to Economics (3)
- 150 Principles of Economics (3)
- 220 Mathematics for Social Scientists (3)
- 300 Intermediate Economic Theory: Macroeconomic Analysis (3)
- 321 Introduction to Statistics (3)
- 425 Econometrics I (3)
- 460 International Trade and Welfare (3)
- 699 Directed Research (v)
- 730 Research Seminar (3)
- 780 Selected Topics in Economic Analysis (3)

### Second Term
- 151 Principles of Economics (3)
- 301 Intermediate Economic Theory: Price Theory (3)
- 340 Money and Banking (3)
- 461 International Monetary Economics (3)
- 699 Directed Research (v)
- 730 Research Seminar (3)
- 780 Selected Topics in Economic Analysis (3)

## EDUCATION

### Curriculum and Instruction (Ed CI)

#### First Term
- 312(5) Foundations in Curriculum and Instruction: Elementary Education (3)
- 312(10) Foundations in Curriculum and Instruction: Secondary Education (3)
- 319 Children's Literature (2)
- 320 Language Arts, Elementary (2)
- 321 Reading, Elementary (2)
- 322 Social Studies, Elementary (2)
- 323 Science, Elementary (2)
- 324 Mathematics, Elementary (2)
- 326 Creative Art, Elementary (2)
- 399 Directed Reading (v)

#### Second Term
- 329 Creative Expression in Elementary Education (3) (July 2–27)
- 441 Education of the Slow Learners (3)
- 442 Curriculum Development and Instruction for the Slow Learners (3)
- 498 Poetry in the Elementary School Curriculum (3)
- 527 Methods and Materials for the Study of Hawaii (3)
- 540(8) Practicum in Curriculum Development: Mathematics (3)
- 540(9) Practicum in Curriculum Development: Science (3)
- 540(10) Practicum in Curriculum Development: Science (Fast Project) (3)
- 540(10) Practicum in Curriculum Development: Social Studies (3)
- 540(13) Practicum in Curriculum Development: General Curriculum and Teaching Problems: Individualization of Instruction and Learning: Personalizing Education (3)
- 595 Aerospace Education Workshop (v)
- 597(1) Teacher Development (3)
- 619 Children's Literature in the Elementary Curriculum (3)
- 620 Teaching Reading in the Elementary School (3)
- 621 Modern Language Arts Program, Elementary (3)
- 622 Elementary School Curriculum (3)
- 624 Elementary Mathematics Curriculum (3)
- 626 Art in Elementary Education (3)
- 629 Curriculum Development in Creative Expression (3) (July 2–27)
- 635 Junior High School Curriculum (3)
- 636 Secondary School Curriculum (3)
- 640(6) Seminar in Teaching Fields: Industrial (3)
Educational Foundations (Ed EF)

First Term
- 310 Foundations of American Education (3)
- 409 Culturally & Economically Disadvantaged Pupil (3)
- 651 History of American Education (3)
- 652 History of Education in Hawaii (3)
- 660 Philosophy of Education (3)
- 683 Social Foundations of Education (3)
- 699 Directed Research (v)

Second Term
- 310 Foundations of American Education (3)
- 409 Culturally & Economically Disadvantaged Pupil (3)
- 445 Educational Sociology (3)
- 480 Anthropological Applications (3)
- 490 Zen and Education (3)
- 650 Historical Foundations of Western Education (3)
- 651 History of American Education (3)
- 657 Community College (3)
- 660 Philosophy of Education (3)
- 664 Seminar in Problems in Education (2)
- 669 Foundations of Comparative Education (3)
- 671 Comparative Education: Asia (3)
- 699 Directed Research (v)
- 763(1) Seminar in Educational Theory (2)

Educational Psychology (Ed EP)

First Term
- 311 Psychological Foundations (3)
- 416 Tests and Measurements (3)
- 429 Introduction to Statistics (3)
- 601 Guidance in the School (3)
- 605 Problems of School Adjustment (3)

Second Term
- 311 Psychological Foundations (3)
- 416 Tests and Measurements (3)
- 429 Introduction to Statistics (3)
- 601 Guidance in the School (3)
- 602 Elementary School Guidance (3)
- 604 Occupational Information in Guidance (3)
- 605 Problems of School Adjustment (3)
- 606 Student Personnel Services in Higher Education (3)
- 609 Tests and Inventories in Guidance (3)
- 610 Counseling: Theory and Practice (3)
- 614 Theory and Assessment of Intelligence (3)
- 629 Educational Statistics (3)
- 672 Advanced Educational Psychology: Learning (3)
- 673 Advanced Educational Psychology: Psycho-Social Development (3)
- 702 Group Guidance (3)
- 710 Counseling: Group Theory and Practice (3)
Third Term
311 Psychological Foundations (3)
416 Tests and Measurements (3)
601 Guidance in the School (3)
605 Problems of School Adjustment (3)

Health and Physical Education (HPE)
First Term
103 Swimming: Beginning (1)
104 Swimming: Intermediate (1)
107 Tennis: Beginning (1)
110 Golf: Beginning (1)
124 Dances of Hawaii (1)
135 Volleyball (1)
162 Karate (1)
232 Safety Procedures and Accident Prevention (2)
233 Physical Education: Elementary (3)
454 Physiology in Physical Education (3)
477 Physical Education and Child Development (3)

Second Term
103 Swimming: Beginning (1)
107 Tennis: Beginning (1)
110 Golf: Beginning (1)
123 Folk and National Dances (1)
124 Dances of Hawaii (1)
162 Karate (1)
163 T'ai Chi Ch'uan (1)
322 Emergency Care and First Aid Instructor Training (2)
336 Coaching of Swimming (2)
401 Current Trends in Health (3)
433 Music and Rhythms in Physical Education (2)
436 Methods and Materials of Aquatics and Life Saving (2)
476 Motor Learning and Performance (3)
531 Practicum in Family Life and Sex Education (3)
623 Administrative Problems in Physical Education (3)
634 Adapted Physical Education (3)
699 Directed Reading and/or Research (v)

Third Term
107 Tennis: Beginning (1)
110 Golf: Beginning (1)
162 Karate (1)
453 Anatomy in Physical Education (3)

Special Education (SpEd)
First Term
404 Introduction to Special Education (3)
405 Curriculum and Instruction in Special Education (3)
410 Methods and Materials in Teaching the Child with Learning and Behavior Disorders (3)
418 Methods and Materials in Teaching the Educable Mentally Retarded (3)

Second Term
200 Mental Retardation and Mental Health Work-Study Program (6)
404 Introduction to Special Education (3)
414 Education of Gifted Children (3)

485 Behavior Modification of Handicapped Children (3)
597 Contemporary Developments in Special Education (3)
611 Advanced Curriculum and Instruction in Special Education (3)
615 Clinical Assessment of Exceptional Children (3)
616 Seminar in the Education of Exceptional Children (3)
619 Theory and Practice of Clinical Teaching (3)

ENGINEERING

Civil Engineering (CE)
First Term
270 Applied Mechanics I (3)
381 Structural Analysis (3)
699 Directed Research (v)
800 Thesis (v)

Third Term
271 Applied Mechanics II (3)
699 Directed Research (v)
800 Thesis (v)

General Engineering (GE)
First Term
61 Graphical Communications (1)
*121 The World of Engineering (3)
*251 Computer Programming PL/I (3)
*252 Computer Programming Cobol (3)
*253 Computer Programming FORTRAN (3)

Mechanical Engineering (ME)
First Term
311 Thermodynamics (3)
371 Mechanics of Solids (3)
499 Project (v)
699 Directed Research (v)
800 Thesis (v)

Third Term
311 Thermodynamics (3)
331 Materials Science (3)
499 Project (v)
699 Directed Research (v)
800 Thesis (v)

Ocean Engineering (OE)
First Term
601 Ocean Engineering Laboratory (3)
699 Directed Research (v)

* Pending approval
### ENGLISH (Eng)

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<th>Course</th>
<th>Credits</th>
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<td>Expository Writing (3)</td>
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<td>Major Works of British and American Literature (3)</td>
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<td>Written Communication (3)</td>
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<td>Advanced Expository Writing (3)</td>
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<td>Introduction to Language (3)</td>
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<td>Introduction to Poetry (3)</td>
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<td>Backgrounds of World Literature (3)</td>
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<td>Introduction to Literary Problems (3)</td>
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<td>History of the English Language (3)</td>
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<td>Form and Theory of Fiction (3)</td>
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<td>Chaucer (3)</td>
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<td>Shakespeare I (3)</td>
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<td>18th-Century English Literature (3)</td>
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<td>Studies in British Literature (3)</td>
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<td>American Literature (3)</td>
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<td>The American Novel from 1900 (3)</td>
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<td>Modern Dramatic Literature II (3)</td>
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<td>20th-Century British and American Poetry (3)</td>
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<td>Major Authors (3)</td>
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<td>Literary Genres and Problems (3)</td>
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<td>Seminar in American Literature (3)</td>
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<td>Introduction to Language (3)</td>
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<td>American Literature (3)</td>
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<td>The American Novel from 1900 (3)</td>
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<td>Major Authors (3)</td>
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<td>Seminar in American Literature (3)</td>
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### ENGLISH LANGUAGE INSTITUTE (ELI)

All ELI classes will meet daily for nine weeks (June 4—August 3)

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<td>Oral English for Foreign Students (0)</td>
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<td>English Structure for Foreign Students (0)</td>
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<td>Reading Program for Foreign Students (0)</td>
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<td>Writing Program for Foreign Students (0)</td>
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<td>Intermediate Oral English for Foreign Students (0)</td>
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<td>Intermediate English Structure for Foreign Students (0)</td>
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<td>Intermediate Reading Program for Foreign Students (0)</td>
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<td>Advanced Oral English for Foreign Students (0)</td>
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<td>Advanced Reading Program for Foreign Students (0)</td>
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<td>Advanced Writing Program for Foreign Students (0)</td>
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<tr>
<td>ESL 100 Expository Writing: A guided Approach (3)</td>
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### ENGLISH AS A SECOND LANGUAGE (ESL)

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<td>Psycholinguistics in Second Language Learning (3)</td>
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<td>Materials Selection and Adaptation (3)</td>
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<td>Directed Reading (v)</td>
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<td>Directed Research (v)</td>
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<td>English Language in Hawaii (3)</td>
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<td>Linguistics and Reading (3)</td>
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<td>699</td>
<td>Directed Reading (v)</td>
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<tr>
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<td>Directed Research (v)</td>
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</tbody>
</table>

**EUROPEAN LANGUAGES AND LITERATURE**

**General (EL)**

**First Term**
- 225 Early Greek Thought (3) (Identical with Phil 225)
- 332 20th-Century Russian Literature (3)
- 360 The Rebel Hero in Spanish Literature (3)
- 375 French Literature since 1800 (3)
- 382 German Expressionism (3)

**Second Term**
- 112 Greek and Roman Mythology (3)

**French (Fr)**

**First Term**
- 101 Elementary French (4)
- 102 Elementary French (4)
- 103 Intensive Elementary French (8)
- 201 Intermediate French (3)
- 202 Intermediate French (3)
- 210 Accelerated Intermediate French (6)
- 301 Phonetics and Pronunciation Practice (3)
- 306 Structure of French (3)
- 311 Advanced Conversation (3)
- 312 Advanced Composition (3)
- 361 French Civilization (3)

**Second Term**
- 735 Seminar in French Literature: Flaubert (3)

**German (Ger)**

**First Term**
- 101 Elementary German (4)
- 102 Elementary German (4)
- 106 German Reading (3)
- 201 Intermediate German (3)
- 202 Intermediate German (3)

**Second Term**
- 326 Conservation and Resource Management (3)
- 368 Geography of Hawaii (3)
- 799 Directed Research (v)
- 800 Thesis Research (v)

**Latin (Latin)**

**First Term**
- 101-102 Elementary Latin (6)

**Spanish (Span)**

**First Term**
- 101 Elementary Spanish (4)
- 102 Elementary Spanish (4)
- 110 Accelerated Elementary Spanish (8)
- 201 Intermediate Spanish (3)
- 202 Intermediate Spanish (3)
- 210 Accelerated Intermediate Spanish (6)
- 303 Advanced Grammar and Composition (3)

**Second Term**
- 330 Phonetics and Pronunciation Practice (2)
- 444 Spanish Dialectology (3)
- 695 Seminar in Hispanic Literature (3)

**GENETICS (Genet)**

**First Term**
- 699 Directed Research (v)
- 800 Thesis (v)

**Second Term**
- 398 Genetics, Evolution, Society (3)
- 625 Advanced Topics in Genetics (2)
- 699 Directed Research (v)
- 800 Thesis Research (v)

**Third Term**
- 699 Directed Research (v)
- 800 Thesis Research (v)

**GEOGRAPHY (Geog)**

**First Term**
- 101 Elements of Physical Geography (3)
- 102 World Regional Geography (3)
- 314 Geography of the Tropics (3)
- 353 Geography of China (3)
- 368 Geography of Hawaii (3)
- 700 Seminar in Geography (3)
- 700(2) Fortran Programming for Social Sciences (3)
- 799 Directed Research (v)
- 800 Thesis Research (v)

**Second Term**
- 368 Geography of Hawaii (3)
- 799 Directed Research (v)
- 800 Thesis Research (v)

**Third Term**
- 101 Elements of Physical Geography (3)
- 102 World Regional Geography (3)
- 151 Geography and Contemporary Society (3)
- 368 Geography of Hawaii (3)
- 700 Seminar in Geography (3)
- 799 Directed Research (v)
- 800 Thesis Research (v)
### GEOLOGY AND GEOPHYSICS (GG)

**First Term**
- 614 Advanced Field Study (v)
- 660 Seminar in Solid Earth Geophysics (v)
- 680 Seminar in Geodesy (v)
- 799 Directed Research (v)
- 800 Thesis Research (v)

**Second Term**
- 200 Geology of the Hawaiian Islands (4)

**Third Term**
- 614 Advanced Field Study (v)
- 660 Seminar in Solid Earth Geophysics (v)
- 680 Seminar in Geodesy (v)
- 799 Directed Research (v)
- 800 Thesis Research (v)

### HISTORY (Hist)

**First Term**
- 151 World Civilization (3)
- 152 World Civilization (3)
- 241 Civilization of Asia (3)
  - (Identical with Asian 241)
- 281 Introduction to American History (3)
- 282 Introduction to American History (3)
- 396 History Colloquium (3)
- 401 History of South Asia (3)
- 402 History of South Asia (3)
- 406 History of Southeast Asia (3)
- 410 History of China (3)
- 417 History of Korea (3)
- 418 History of Korea (3)
- 438 French Revolution, 1785-1815 (3)
- 446 History of France (3)
- 450 History of Russia (3)
- 457 Russian Revolution (3)
- 461 Colonial America to 1790 (3)
- 482 American Thought and Culture (3)
- 496 Senior Tutorial in History (4)
- 725 Contemporary China Seminar (3)
  - (Identical with Asian 601)

**Second Term**
- 241 Civilization of Asia (3)
  - (Identical with Asian 241)
- 242 Civilization of Asia (3)
  - (Identical with Asian 242)
- 413 History of Japan (3)
- 424 History of the Hawaiian Islands (3)
- 425 The United States in the Pacific (3)
- 449 History of Russia (3)
- 450 History of Russia (3)
- 463 Crisis of the Union: U.S. History 1841-1877 (3)
- 465 Troubled Peace: U.S. History 1920-1941 (3)
- 488 Modern Latin America (3)
- 491 Cuba Under Castro (3)

**Third Term**
- 151 World Civilization (3)
- 152 World Civilization (3)
- 242 Civilization of Asia (3)
  - (Identical with Asian 242)
- 408 Social History of China (3)

### HONORS PROGRAM

**Honors Courses (Hon)**

**First Term**
- 493 Senior Honor Thesis (2)
- 494 Senior Honor Thesis (2)

**Third Term**
- 493 Senior Honor Thesis (2)
- 494 Senior Honor Thesis (2)

### Interdisciplinary Studies (IS)

**First Term**
- 311 Independent Study Tutorial (v)
- 312 Independent Study Tutorial (v)

**Second Term**
- 311 Independent Study Tutorial (v)
- 312 Independent Study Tutorial (v)

**Third Term**
- 311 Independent Study Tutorial (v)
- 312 Independent Study Tutorial (v)

### HUMAN RESOURCES DEVELOPMENT

**Fashion Design, Textiles and Merchandising (FDM)**

**First Term**
- 111 Esthetics of Clothing (3)
- 125 Fashion Analysis (3)
- 215 Block Pattern Designing (3)
- 327 Fashion Buying and Merchandising (3)
- 329 Field Experience (3)
- 499 Directed Reading and Research (v)
- 699 Directed Reading and Research (v)

**Third Term**
- 315 Draping (3)

### Food and Nutritional Sciences (FN)

**First Term**
- 499 Directed Research (v)
- 699 Directed Research (v)

**Second Term**
- 377 Pacific Foods (3)
- 480 Nutrition Education (3)
- 499 Directed Research (v)
- 699 Directed Research (v)

**Third Term**
- 499 Directed Research (v)
- 699 Directed Research (v)
Food Service Administration (FSA)

First Term
499 Directed Research (v)
699 Directed Research (v)

Second Term
499 Directed Research (v)
699 Directed Research (v)

Third Term
499 Directed Research (v)
699 Directed Research (v)

Home Economics (HE)

First Term
499 Directed Reading and Research (v)
699 Directed Reading and Research (v)

Human Development (HD)

First Term
207 Shifting Sex-Roles in Contemporary Societies (3)
231 Introduction to Human Development (3)
232 Introduction to Human Development (3)
334 Group Work with Children (3)
345 Group Leadership (3)
430 Work with Parents (3)

Nutrition (Nutr)

First Term
499 Directed Research (v)
699 Directed Research (v)
800 Thesis (v)

Second Term
499 Directed Research (v)
699 Directed Research (v)
800 Thesis (v)

Third Term
499 Directed Research (v)
699 Directed Research (v)
800 Thesis (v)

INDO-PACIFIC LANGUAGES

General (IP)

First Term
499 Directed Studies (v)
690 Directed Reading (v)

Third Term
499 Directed Studies (v)
690 Directed Reading (v)

Bengali (Beng)

First Term
111 Intensive Elementary Bengali (6)
112 Intensive Intermediate Bengali (6)

Burmese (Burm)

First Term
111 Intensive Elementary Burmese (6)
112 Intensive Intermediate Burmese (6)

Hawaiian (Haw)

First Term
101 Elementary Hawaiian (3)
201 Intermediate Hawaiian (4)
301 Third-Level Hawaiian (3)

Third Term
102 Elementary Hawaiian (3)
202 Intermediate Hawaiian (4)
302 Third-Level Hawaiian (3)

Ilokano (Ilo)

First Term
111 Intensive Elementary Ilokano (6)
112 Intensive Intermediate Ilokano (6)

Indonesian (Ind)

First Term
111 Intensive Elementary Indonesian (6)
303 Intensive Third-Level Indonesian (6)

Third Term
112 Intensive Intermediate Indonesian (6)
404 Intensive Fourth-Level Indonesian (6)

Lao (Lao)

First Term
111 Intensive Elementary Lao (6)
112 Intensive Intermediate Lao (6)

Marathi (Marat)

First Term
303 Intensive Third-Level Marathi (6)

Samoan (Sam)

First Term
111 Intensive Elementary Samoan (6)

Tagalog (Tag)

First Term
111 Intensive Elementary Tagalog (6)

Third Term
112 Intensive Intermediate Tagalog (6)

Tahitian (Tah)

First Term
111 Intensive Elementary Tahitian (6)

Thai (Thai)

First Term
111 Intensive Elementary Thai (6)
112 Intensive Intermediate Thai (6)
303 Intensive Third-Level Thai (6)
404 Intensive Fourth-Level Thai (6)

Tongan (Tong)

First Term
111 Intensive Elementary Tahitian (6)

*Pending approval
Vietnamese (Viet)

First Term
111 Intensive Elementary Vietnamese (6)
112 Intensive Intermediate Vietnamese (6)
303 Intensive Third-Level Vietnamese (6)
404 Intensive Fourth-Level Vietnamese (6)

INFORMATION SCIENCES (ISc)

First Term
301 Computers and Information Sciences (3)
466 Computer Organization and Programming Techniques (4)
693 Special Topics: Micro Programming (3)

Third Term
491 Special Topics: A Programming Language (2)

LIBRARY STUDIES (LS)

First Term
June 4-June 22
615 Building Library Collections (3)
670 Literature Searching and Documentation (3)
716 International Publishing and Bibliography (3)

Second Term
June 25-July 13
601 Bibliography and Reference Sources (3)
605 Basic Cataloging and Classification (3)
642 Audio-Visual Services in Libraries (3)
693 Special Topics in Librarianship (3)

Third Term
July 26-August 3
602 Advanced Reference Sources (3)
607 Organization of Non-Book Materials (3)
683 Service for Children and Young People (3)

LINGUISTICS (Ling)

First Term
102 Introduction to the Study of Language (3)
200 Languages of the World (3)
410 Articulatory Phonetics (3)
699 Directed Research (v)
800 Thesis Research (v)

Third Term
320 General Linguistics (3)
470 Introduction to the Study of Children's Speech (3)
640 Topics in Linguistics (3)
699 Directed Research (v)
800 Thesis Research (v)

MATHEMATICS (Math)

First Term
100 Survey of Mathematics (3)
111 Introduction to Mathematics (3)
201 Finite Mathematics (3)
232 Calculus IV (3)
251 Informal Geometry (3)
371 Elementary Probability Theory (3)
402 Partial Differential Equations (3)
403 Methods of Applied Mathematics (3)
451 Projective Geometry (3)

Second Term
134 Pre-Calculus (4)
205 Calculus I (3)
206 Calculus II (3)
231 Calculus III (3)
311 Introduction to Linear Algebra (3)
412 Introduction to Abstract Algebra (3)
442 Vector Analysis (3)

Third Term
060 Algebra (0)
100 Survey of Mathematics (3)
111 Introduction to Mathematics (3)
201 Finite Mathematics (3)
232 Calculus IV (3)
371 Elementary Probability Theory (3)
373 Elementary Statistics (3)
402 Partial Differential Equations (3)

MEDICAL TECHNOLOGY (MT)

First Term
251 Introduction to Medical Technology II (2)
366 Internship (2)
476 Foreign Compound Detection (4)

Second Term
101 Climate, Weather and the Atmosphere (4)
799 Directed Research (v)

Third Term
799 Directed Research (v)

METEOROLOGY (Met)

First Term
799 Directed Research (v)

Second Term
101 Climate, Weather and the Atmosphere (4)
799 Directed Research (v)

Third Term
799 Directed Research (v)

MICROBIOLOGY (Micro)

First Term
130 General Microbiology (3)
351 Procaryotic Biology (4)
699 Directed Research (v)
795 Special Topics in Microbiology (3-4)
800 Thesis (v)

Second Term
699 Directed Research (v)
800 Thesis (v)

Third Term
130 General Microbiology (3)
699 Directed Research (v)
800 Thesis (v)
MUSIC (Mus)

First Term

140  Recreational Music (2)
151  String Methods (2)
155  Percussion Method (2)
160  Introduction to Music Literature (3)
170  Music in World Culture (3)
       (June 4 to 22)
180  Fundamentals of Western Music (3)
182  Elementary Music Theory (2)
184  Aural Training (1)
265  History of Western Music to 1750 (3)
325  Conducting (1)
464  Twentieth-Century Music (2)

APPLIED MUSIC

115  Secondary Piano (1)
125  Elementary Piano Class (1)
131, 231, 431 Individual Instruction (1)
       For non-music or music majors. May be repeated.
       (11) Voice, (21) Piano, (22) Organ, (33) Cello,
       (51) Trumpet, (52) French Horn, (71) Koto,
       (78) South Indian Singing, (91) Japanese Dance,
       (95) Okinawan Dance.

Registration at appropriate level to be determined by instructor.

Second Term

140  Recreational Music (2)
170  Music in World Culture (3)
190  Dance in World Cultures (3)
370  Music in Modern America (3)
       (Identical with Am St 370)
398  Music the Arts and Ideas (3)
401(91) Ensemble: Hawaiian Dance (1)
409  University Band (1)
456  Institute on Asian Music in Music Education (3)
       (July 16-Aug 3)
457  Asian and Pacific Music in Education (2)
       (June 25-July 13)
580  Theory Review (3)
600(5) Seminar: Music Education (3)
653  Music Curriculum Theory and Design (2)
661  Bibliography and Research Methods in Music (3)

APPLIED MUSIC

125  Elementary Piano Class (1)
127(71) Class Koto (1)
131, 231, 431 Individual Instruction (1)
       For non-music or music majors. May be repeated.
       (11) Voice, (21) Piano, (22) Organ, (33) Cello,
       (51) Trumpet, (52) French Horn, (71) Koto,
       (78) South Indian Singing, (91) Japanese Dance,
       (95) Okinawan Dance.

Registration at appropriate level to be determined by instructor.

Third Term

153  Woodwind Methods (2)
160  Introduction to Music Literature (3)
180  Fundamentals of Western Music (3)
266  History of Western Music after 1750 (3)
326  Conducting (2)

APPLIED MUSIC

116  Secondary Piano (1)
125  Elementary Piano Class (1)
126  Elementary Piano Class (1)

131, 231, 431 Individual Instruction (1)
       For non-music or music majors. May be repeated.
       (11) Voice, (21) Piano, (22) Organ, (33) Cello,
       (51) Trumpet, (52) French Horn, (71) Koto,
       (78) South Indian Singing, (91) Japanese Dance,
       (95) Okinawan Dance.

Registration at appropriate level to be determined by instructor.

OCEANOGRAPHY (Ocean)

First Term

201  Science of the Sea (3)
634  Techniques in Geological Oceanography (2)
699  Directed Research (v)
800  Thesis Research (v)

Second Term

699  Directed Research (v)
800  Thesis Research (v)

PACIFIC ISLANDS PROGRAM (PIP)

First Term

699  Directed Reading and Research (v)
800  Thesis Research (v)

Second Term

699  Directed Reading and Research (v)
800  Thesis Research (v)

Third Term

699  Directed Reading and Research (v)
800  Thesis Research (v)

PHARMACOLOGY (Pharm)

First Term

641  Pharmacological Techniques (v)
699  Directed Research (v)

Second Term

641  Pharmacological Techniques (v)
699  Directed Research (v)

Third Term

641  Pharmacological Techniques (v)
699  Directed Research (v)

PHILOSOPHY (Phil)

First Term

100  Introduction to Philosophy (3)
200  History of Philosophy I (3)
210  Introduction to Logic (3)
225  Early Greek Thought (3)
       (Identical with EL 225)
435  Philosophy of Religion (3)
       (Identical with Rel 435)
450  Indian Philosophy (3)

*Pending approval
### Second Term
- 100 Introduction to Philosophy (3)
- 210 Introduction to Logic (3)
- 310 20th-Century Philosophy (3)
- 425 Philosophy in Literature (3)

### Third Term
- 100 Introduction to Logic (3)
- 445 Symbolic Logic I (3)
- 470 Chinese Philosophy (3)

### PHOTOGRAPHY (Photo)

### First Term
- 100 Principles of Photography (2)
- 200 Experimental Photography (2)

### PHYSICS (Phys)

### First Term
- 100 Survey of Physics (3)
- 101 Survey of Physics Laboratory (1)
- 151 College Physics (3)
- 153 College Physics Laboratory (1)
- 170 General Physics I (4)
- 171 General Physics Laboratory (1)
- 274 General Physics III (3)

### Third Term
- 152 College Physics (3)
- 154 College Physics Laboratory (1)
- 272 General Physics II (3)
- 273 General Physics Laboratory II (1)

### PSYCHOLOGY (Psy)

### First Term
- 100 Survey of Psychology (3)
- 110 Psychology of Adjustment (3)
- 113 Statistical Techniques (3)
- 214 Learning and Motivation (3)
- 318 Animal Psychology (3)
- 320 Developmental Psychology (3)
- 321 Psychology of Personality (3)
- 322 Social Psychology (3)
- 401 Experimental Analysis of Behavior (3)
- 423 History of Psychology (3)
- 424 Abnormal Psychology (3)
- 428 Social Development of Children (3)
- 430 Complex Human Learning (3)
- 471 Environmental Psychology (3)
- 491 Teaching Psychology (v)
- 499 Directed Reading or Research (v)
- 662 Social Psychology (3)
- 671 Advanced Environmental (3)
- 699 Directed Reading or Research (v)
- 800 Thesis or Dissertation Research (v)

### Second Term
- 100 Survey of Psychology (3)
- 110 Psychology of Adjustment (3)
- 113 Statistical Techniques (3)
- 214 Learning and Motivation (3)
- 215 Sensory Processes (3)
- 320 Developmental Psychology (3)
- 321 Psychology of Personality (3)
- 322 Social Psychology (3)
- 424 Abnormal Psychology (3)
Second Term
150  Introduction to World's Major Religions (3)
151  Religion and the Meaning of Existence (3)
100  History of Living Religions (3)
156  Chinese Religion (3)
483  Christian Ethics and Social Programs (3)

Third Term
150  Introduction to World's Major Religions (3)
151  Religion and the Meaning of Existence (3)

SCIENCE, GENERAL (Sci)
First Term
121  Introduction to Science: Biological Science (4)

Third Term
123  Introduction to Science: Hawaiian Perspectives (4)

SOCIAL WORK (SW)
First Term
300  History of Social Work (3)
655  Experiential Training Human Relationships (3)
660  Practicum (3)
760  Practicum (v)
796  Individualized Directed Study (v)

Second Term
626  Prevention and Treatment of Juvenile Delinquency (2)

Third Term
661  Practicum (3)
761  Practicum (v)
796  Individualized Directed Study (v)

SOCIOLOGY (Soc)
First Term
100  Survey of General Sociology (3)
312(1)  Survey of Society and Population (3)
312(2)  Survey of Urban Society (3)
322  Survey of Race and Culture Contacts in Hawaii (3)
332(1)  Survey of Criminology (3)
332(2)  Survey of Deviancy and Control (3)
432  Analysis in Social Control: The Prison (3)
(Identical with Soc 730)
472  Analysis in Methodology (3)
730  Seminar in Social Control: The Prison (3)
(Identical with Soc 432)

Second Term
100  Survey of General Sociology (3)
322(1)  Survey of Social Stratifications (3)
322(2)  Survey of Health Institutions (3)
332  Survey of Criminology (3)
362  Survey of Aging (3)
472(1)  Social Statistics (3)
472(2)  Analysis in Methodology (3)
### Third Term
- 100 Survey of General Sociology (3)
- 332(1) Survey of Sociology of Law (3)
- 332(2) Survey of Juvenile Delinquency (3)
- 352 (1) Survey of The Family (3)
- 352 (2) People and Institutions of China (3)
- 422 Analysis in Social Organization & Change:
  - Racism and American Law (3)
- 472 Analysis in Methodology (3)

### SPEECH (Sp)
#### First Term
- 151 Introduction to Speech (3)
- 211 General Phonology (3)
- 231 Interpretative Reading (3)
- 251 Principles of Effective Speaking (3)
- 321 Speech for the Classroom Teacher (3)
- 333 Storytelling (3)
- 385 Culture and Communication (3)
- 431 Advanced Interpretative Reading (3)
- *497 Non-Verbal Communication (3)
- 499 Special Programs (v)

#### Second Term
- 151 Introduction to Speech (3)
- 211 General Phonology (3)
- 231 Interpretative Reading (3)
- 333 Storytelling (3)
- 385 Culture and Communication (3)
- *398 Culture and Communication: Japan and The U.S. (3)
- 432 Readers Theatre (3)
- 499 Special Programs (v)

#### Third Term
- 151 Introduction to Speech (3)
- 231 Interpretative Reading (3)
- 251 Principles of Effective Speaking (3)
- 333 Storytelling (3)
- 499 Special Programs (v)

*Pending approval

### SPEECH PATHOLOGY AND AUDIOLOGY (SPA)
#### First Term
- 315 Hearing Habilitation and Rehabilitation (3)
- 320 Speech and Hearing Science (3)
- 402 Pathology of Speech (3)
- 410 Practicum in Speech Pathology (v)
- 411 Practicum in Audiology (v)
- 710 Advanced Practicum in Speech Pathology (v)
- 711 Advanced Practicum in Audiology (v)
- 799 Research (v)

#### Second Term
- 300 Introduction to Speech Correction (3)
- 301 Introduction to Audiology (3)
- 321 Speech and Hearing Science (3)
- 410 Practicum in Speech Pathology (v)
- 411 Practicum in Audiology (v)
- 710 Advanced Practicum in Speech Pathology (v)
- 711 Advanced Practicum in Audiology (v)
- 720 Seminar in Functional Disorders of Speech (3)
- 721 Seminar in Audiology—Diagnostic Procedures (3)
- 799 Research (v)

#### Third Term
- 410 Practicum in Speech Pathology (v)
- 411 Practicum in Audiology (v)
- 710 Advanced Practicum in Speech Pathology (v)
- 711 Advanced Practicum in Audiology (v)

### ZOOLOGY (Zool)
#### First Term
- 101 Principles of Zoology (4)
- 499 Directed Research (v)
- 608 Growth and Form (4)
- 699 Directed Research (v)
- 800 Thesis (v)

#### Second Term
- 420 Embryology (4)
- 499 Directed Research (v)
- 699 Directed Research (v)

#### Third Term
- 499 Directed Research (v)
- 699 Directed Research (v)
- 800 Thesis (v)