1969 CALENDAR

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First Term (June 16–July 25)

June 12–13, Thursday–Friday....................Registration for UH students and residents of Hawaii
June 16, Monday.....................................Registration
June 17, Tuesday.....................................Instruction begins
June 20, Friday......................................Last day of registration for credit
June 23, Monday.....................................Last day for withdrawal from courses without grade penalty
July 4, Friday.......................................Legal holiday
July 18, Friday......................................Last day for withdrawal from courses
July 25, Friday.......................................First term ends

Second Term (July 28–September 5)

July 28, Monday.....................................Registration
July 29, Tuesday....................................Instruction begins
August 1, Friday....................................Last day of registration for credit
August 3, Sunday....................................Summer Commencement
August 4, Monday..................................Last day for withdrawal from courses without grade penalty
August 29, Friday...................................Last day for withdrawal from courses
September 1, Monday...............................Legal holiday
September 5, Friday.................................Second term ends
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ADMINISTRATION AND FACULTY

Administration

UNIVERSITY

Robert W. Hiatt, Ph.D., President (Acting)
Richard S. Takasaki, M.P.A., Vice-President for Business Affairs
Richard H. Kosaki, Ph.D., Vice-President for Community Colleges
Richard M. Balch, A.B., Vice-President for Continuing Education and Community Service
Harold M. Bitter, Ph.D., Vice-President for Student Affairs
Willard Wilson, Ph.D., Secretary of the University
Robert M. Kamins, Ph.D., Dean for Academic Development
Wytze Gorter, Ph.D., Dean of Graduate Division and Director of Research
Stanley L. West, J.D., University Librarian
Donald R. Fukuda, M.Ed., Director of Admissions and Records
Kaoru Noda, Ph.D., Provost of Hilo Campus

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Ralph C. Hook, Jr., Ph.D., College of Business Administration
Hubert V. Exerly, Ph.D., College of Education
John W. Shupe, Ph.D., College of Engineering
C. Pearis Wilson, Ph.D., College of Tropical Agriculture
College of Health Sciences and Social Welfare:
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  Edith H. Anderson, Ph.D., School of Nursing
  Richard K. C. Lee, M.D., School of Public Health
  Herbert H. Aptekar, D.S.W., School of Social Work
Ralph M. Miwa, Ph.D., Division of Continuing Education and Community Service
Robert D. Stevens, Ph.D., Graduate School of Library Studies

SUMMER SESSION*

Shunzo Sakamaki, Ph.D., Dean
Shiro Amioka, Ph.D., Associate Dean
Takeshi Moriwaki, Ph.D., Assistant Dean
Summer Session Curriculum Committee: Deans Nicholas B. Corba, Roger L. Hadlich, Andrew W. S. In, Howard P. McKaughan, Ralph M. Miwa, Robert E. Potter; Professors Walter F. Vella, Douglas S. Yamamura, Edward T. White

*Mailing Address:

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2500 Dole Street, Room 101
University of Hawaii
Honolulu, Hawaii 96822
Resident Summer Faculty

Abudu, Assibi, M.A. (Indiana), Acting Assistant Professor of Economics
Adachi, Mitsuo, M.Ed. (Hawaii), Lecturer in Education
Ah Chan, Dora, M.S. (Juilliard School of Music), Instructor in Music
Akita, George, Ph.D. (Harvard), Professor of History
Alexander, James, B.M. (Eastman School of Music), Lecturer in Music
Alexander, Sumitra, M.A. (Hawaii), Instructor in Thai
Allen, Leslie R., Ph.D. (California at Berkeley), Assistant Professor of Education
Alm, Richard S., Ph.D. (Minnesota), Professor of Education
Anderson, George L., Ph.D. (Pennsylvania), Professor of English
Anderson, R. Gene, M.A. (Baylor), Assistant Professor of Speech
Anderson, Webster, M.A. (California at Los Angeles), Professor of Art
Ando, Masue S., B.Ed. (Hawaii), Lecturer in Mathematics
Andrews, Mary M., M.S.L.S. (Southern California), Associate Professor of Library Studies
Ansberry, Merle, Ph.D. (Wisconsin), Professor of Speech Pathology and Audiology
Aoki, Mitsuo, D.D. (Pacific School of Religion), Professor of Religion
Arai, Sueko, Natori Diploma (Hanayagi School, Tokyo), Lecturer in Music
Araki, James, Ph.D. (California at Berkeley), Professor of Japanese
Arkoff, Abe, Ph.D. (Iowa), Professor of Psychology
Armstrong, Richard W., Ph.D. (New Zealand), Associate Professor of Geography and Public Health
Asato, James K., M.S. (Illinois), Assistant Professor of Health and Physical Education
Ashby, David, Ph.D. (Oregon), Assistant Professor of Economics
Aten, Donald G., M.A., (Columbia), Assistant Professor of Education
Bailey, Charles-James N., Ph.D. (Chicago), Assistant Professor of Linguistics
Bailey, Joseph K., Ph.D. (Texas), Professor of Management
Ball, Harry V., Ph.D. (Minnesota), Professor of Sociology
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<tr>
<th>Name</th>
<th>Degree/Institute</th>
<th>Position/Subject</th>
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Stout, William T., Jr., Ph.D. (Illinois), Assistant Professor of Mathematics
Stueber, Ralph K., Ph.D. (Wisconsin), Associate Professor of Education
Summersgill, Travis L., Ph.D. (Harvard), Professor of English
Tabb, David H., Ph.D. (North Carolina), Assistant Professor of Political Science
Takagaki, Tetsuo, M.A. (San Francisco State), Instructor in Japanese
Takeguchi, Sumie Lily Ann, Ed.D. (Syracuse), Assistant Professor of Education
Tanabe, Gilfred, Ph.D. (Purdue), Assistant Professor of Psychology
Tawil, Jack, A.B. (Harvard), Acting Assistant Professor of Economics
Teevan, Foster, Ph.D. (Washington), Assistant Professor of English
Thern, Kenneth, B.A. (Wisconsin), Assistant Professor of Chinese
Theuma, Jean R., M.A. (Middlebury College), Specialist, Foreign Language Laboratory
Thompson, Phyllis H., Ph.D. (Wisconsin), Assistant Professor of English
Topham, Helen A., M.F.A. (Hawaii), Assistant Professor of English
Treacy, David, Ph.D. (Illinois), Assistant Professor of Humanities
Trimpllos, Ricardo, M.A. (Hawaii), Assistant Professor of Music
Trine, Arden, Ph.D. (Illinois), Assistant Professor of Accounting
Troxell, Mary, M.S. (New York), Associate Professor of Fashion Design and Merchandising
Tsuyuki, Eiko, M.A. (Iowa), Instructor in Japanese
Turnbull, Murray, M.A. (Denver), Professor of Art
Uchima, Floyd, M.Mus.Ed. (Northwestern), Assistant Professor of Music
Uda, Lowell M., M.F.A. (Iowa), Instructor in English
Uehara, Betty K., M.A. (New York), Assistant Professor of Education
Umbel, Oma, M.S. (New York), Associate Professor of Fashion Design and Merchandising
Uyemura, Stanley T., M.A. (Hawaii), Lecturer in Mathematics
Valentin, Pat, Lecturer in Music
Vasconcellos, Henry B., M.A. (San Jose State), Associate Professor of Health and Physical Education
Vasconcellos, Marion, B.Ed. (Hawaii), Lecturer in Health and Physical Education
Vaughn, Stephanie R., M.A. (Ohio State), Instructor in English
Vaught, Raymond, Ph.D. (Stanford), Professor of Music
Vella, Walter F., Ph.D. (California at Berkeley), Professor of History
Vigilermo, Valdo, Ph.D. (Columbia), Professor of Japanese
Vine, Richard, M.M. (MacPhail), Professor of Music
Von Kreisler, Kristin, M.A. (California at Berkeley), Instructor in English
Wade, Rex A., Ph.D. (Nebraska), Associate Professor of History
Wang, Chen, M.A. (Washington), Instructor in Chinese
Wang, Edward, B.A. (National Taiwan University, Taiwan), Instructor in Chinese

Ward, Jack, M.A. (Hawaii), Acting Assistant Professor of Linguistics

Wargo, Robert J., M.A. (Michigan), Acting Assistant Professor of Philosophy

Warsh, Louis P., M.A. (California at Berkeley), Assistant Professor of History

Watson, David L., Ph.D. (Yale), Associate Professor of Psychology

Wegner, Eldon L., Ph.D. (Wisconsin), Assistant Professor of Sociology

Weinbaum, Carl M., Ph.D. (New York), Associate Professor of Mathematics

Welden, Terry A., Ph.D. (Michigan), Assistant Professor of Speech

Wellein, Lawrence T., Ph.D. (Washington), Associate Professor of English

Wellington, Taeko, M.S.J. (Northwestern), Instructor in Japanese

Wenska, Walter P., M.A. (Hawaii), Instructor in English

Wescott, Nina A., Ph.D. (Arizona), Assistant Professor of Education

White, John E., M.A. (Boston), Instructor in History

Whitman, Nancy C., Ph.D. (Illinois), Associate Professor of Mathematics

Wiig, Jeanne, B.F.A. (Hawaii), Lecturer in Art

Wiley, William J., M.A. (Chapman; Hawaii), Instructor in Education

Williams, Jean, Lecturer in Art

Williamson, Jack, Ph.D. (Wisconsin), Assistant Professor of Mathematics

Winnic, John A., B.A. (State Univ. of New York, Albany), Acting Assistant Professor of Philosophy

Winters, Lee E., Ph.D. (California at Berkeley), Associate Professor of English

Winters, Lily, M.A. (Hawaii), Associate Professor of Chinese

Wisnosky, John, M.F.A. (Illinois), Assistant Professor of Art

Wittermans, Tamme, Ph.D. (London), Associate Professor of Sociology

Wittich, Walter A., Ph.D. (Wisconsin), Professor of Education

Wolff, Richard, Ph.D. (California at Berkeley), Assistant Professor of Physics

Wolff, Sidney C., Ph.D. (California at Berkeley), Assistant Astronomer

Wolf, Carl, M.A. (Hawaii), Assistant Professor of Drama and Theatre

Won, George, Ph.D. (Michigan State), Associate Professor of Sociology

Wulff, Louise M., M.S. (Hawaii), Instructor in Medical Technology

Wunsch, Marie A., M.A. (Loyola), Instructor in English

Yamada, Chie, Natoli Kato-bushi Obie-bushi (Ichigenkin, Tokyo), Lecturer in Music

Yamamoto, George, M.A. (Hawaii), Assistant Professor of Sociology

Yanagisako, Alvin Y., M.A. (Hawaii), Instructor in Sociology

Yeh, Zuei-Zong, Ph.D. (Princeton), Associate Professor of Mathematics

Yeh, Yeong-Her, Ph.D. (Minnesota), Associate Professor of Economics

Yoshida, Norman J., M.A. (California at Los Angeles), Instructor in English

Young, John, Ph.D. (Johns Hopkins), Professor of Japanese

Young, Thomas B., M.F.A. (Iowa), Instructor in English

Yucker, Julius L., Jr., Ed.D. (Denver), Professor of Education

Yung, Chia-Yee Teng, B.A. (Peking), Instructor in Chinese
Visiting Summer Faculty

Aiken, Henry, Ph.D., Professor of Philosophy, Brandeis University
Albee, George W., Ph.D., Professor of Psychology, Western Reserve University
Alexander, William M., Ph.D., Professor of Education and Director, Institute for Curriculum Improvement, University of Florida
Andrade, Ernest, Jr., Ph.D., Assistant Professor of History, Michigan State University
Barkan, Elliott R., Ph.D., Assistant Professor of History, Harvard University
Barker, Gordon H., Ph.D., Professor of Sociology, University of Colorado
Bernauer, Edmund M., Ph.D., Associate Professor of Physical Education, University of California at Davis
Birch, Cyril, Ph.D., Professor of Chinese, University of California at Berkeley
Bourne, Lyle E., Jr., Ph.D., Professor of Psychology, University of Colorado
Buckley, Jerome H., Ph.D., Professor of English, Harvard University
Cashin, James, M.B.A., Professor of Accounting, Hofstra University
Chock, Alvin K., M.S., Assistant Inspector in Charge, U.S.D.A., Plant Quarantine Division, Maryland
Colwell, Maurice J., Ph.D., Visiting Associate Professor of Education, San Fernando Valley State College
Cooper, Richard, M.A., Assistant Professor of Economics, University of Chicago
Cougar, Daniel, Assistant Dean, University of Colorado
Dahl, Ingolf, Professor of Music, University of California at Los Angeles
De Casparis, J. G., Ph.D., Professor of History, University of London
Delza, Sophia, B.A., Instructor of Dances, The United Nations, New York City
Droste, George, B.L.S., Lecturer in Library Studies, Book Jobbers of Hawaii
Feldman, Robert S., Ph.D., Professor of Psychology, University of Massachusetts
Ferguson, Elizabeth, B.S.L.S., Librarian at Institute of Life Insurance, New York
Forster, John, Ph.D., Professor of Sociology, University of Alberta
Freeman, Linton, Ph.D., Professor of Sociology, University of Pittsburgh
Goldberger, Arthur, Ph.D., Professor of Economics, University of Wisconsin
Gowans, Alan, Ph.D., Professor and Chairman of the Division of Art and Art History, University of Victoria, Victoria, British Columbia, Canada
Heller, Robert, Ph.D., Associate Professor of Economics, University of California at Los Angeles
Hormann, Ingrid, B.L.S., Lecturer in Library Studies
Horrocks, Norman, Ph.D., Lecturer in Library Studies, University of Pittsburgh
Ikeda, Hitoshi, Ed.D., Associate Professor of Education, San Diego State College
Ishida, Tsuyoshi, Ph.D., Associate Professor of Sociology, Hiroshima Institute of Technology
Jenkins, William A., Jr., Ph.D., Associate Dean and Professor of Education, University of Wisconsin
Kaplan, Abraham, Ph.D., Professor of Philosophy, University of Michigan
Kinch, John W., Ph.D., Professor of Sociology, San Francisco State College
Larsen, Otto N., Ph.D., Professor of Sociology, University of Washington
Liu, Ts'un-yan, Ph.D., Professor and Head, Dept. of Chinese, Australian National University
Mackinnon, Donald W., Ph.D., Professor of Psychology, University of California at Berkeley
Marr, Allen G., Professor of Microbiology, University of California at Davis
Montoye, Henry J., Ph.D., Professor of Physical Education, University of Michigan
Muir, Priscilla, M.A., Professor of Speech Pathology & Audiology, San Francisco State College
Obichere, Boniface I., Ph.D., Assistant Professor of History, University of California at Los Angeles
O'Brien, James A., D.B.A., Assistant Professor of Finance, Eastern Washington State College
Otto, Henry, Ph.D., Professor of Education, University of Texas
Pate, John E., Ed.D., Associate Professor of Human Behavior and Director of Wills Center School, Vanderbilt University
Perelman, Chaim, Ph.D., Professor of Philosophy, University of Brussels
Pool, Ronald H., Ph.D., Associate Professor of Psychology, University of Arizona
Preston, Richard E., Ph.D., Professor of Geography, San Fernando Valley State College
Ryan, Ione J., Ed.D., Associate Professor of Education, East Carolina University
Schwich, Luther C., Ph.D., Western States Consultant, National Education Association
Short, James F., Ph.D., Professor of Sociology, Washington State University
Simpson, Hugh C., M.Ed., Assistant Professor of English, Southern Oregon College
Smith, Denis C., Ed.D., Associate Professor and Chairman of Higher Education, University of British Columbia
Strasser, Marland K., Ed.D., Professor of Safety & Driver Education, San Jose State College
T'ang, Chun-I, Ph.D., Professor of Philosophy, New Asia College, Hong Kong
Upadhyaya, K. N., Ph.D., Assistant Professor of Philosophy, Indian Institute of Technology
Ward, Joe H., Ph.D., Program Director, Southwest Educational Development Laboratory
Weigend, Guido G., Ph.D., Professor of Geography, Rutgers State University
White, William, Ph.D., Professor of Journalism, Wayne State University
Wrenn, C. Gilhert, Ph.D., Professor of Counseling and Educational Psychology, Arizona State University
Wylder, Robert C., Ph.D., Professor of English, California State College at Long Beach
Yengoyen, Aram, Ph.D., Associate Professor of Anthropology, University of Michigan
Yotopoulos, Pan A., Ph.D., Associate Professor of Economics, Stanford University
UNIVERSITY OF HAWAII

The University of Hawaii was founded in 1907 as the land-grant college for the Territory of Hawaii, and became a state university when Hawaii joined the Union as the fiftieth state in 1959. Its main campus is located in the Manoa Valley section of Honolulu, the capital of the state. The colleges include: Arts and Sciences, Business Administration, Education, Engineering, Health Sciences and Social Welfare (including schools of Medicine, Nursing, Public Health, and Social Work), and Tropical Agriculture. There are also a Division of Continuing Education and Community Service and a statewide system of two-year community colleges. The Graduate Division assumes the major role in the organization and development of graduate programs, including a graduate school of Library Studies. The master's degree is offered in 64 fields and the Ph.D. degree in 28 fields. The academic year comprises two 18-week semesters and a summer session of two 6-week terms.

The University of Hawaii is accredited by the Western Association of Schools and Colleges. Its classes are open to all academically qualified men and women. It has chapters of national honor societies such as Phi Beta Kappa, Phi Kappa Phi, Sigma Xi, Pi Gamma Mu, Phi Delta Kappa, Sigma Pi Sigma, Omicron Delta Kappa, Chi Epsilon, Delta Sigma Rho, Eta Kappa Nu, Phi Eta Sigma, Delta Phi Alpha, Pi Delta Phi, Mortar Board, Alpha Lambda Delta, Pi Lambda Theta, and Beta Phi Mu.
ADMISSION. Applicants who fit any one of the following categories need not apply for admission to the summer session ahead of time, but will be required to complete the summer Application for Admission 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 1969 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.

Applicants who do not fit any of the categories listed above will be required to submit official transcripts along with Admission Form 15 in advance to the Office of Admissions and Records, 125 Bachman Hall, 2444 Dole Street, University of Hawaii, Honolulu, Hawaii 96822, to fulfill admissions requirements. Admission Form 15 may be obtained by writing to the Office of Admissions and Records.

Audition to the summer session does not imply admission to the fall or spring semesters.

AUDITORS. Persons wishing to attend certain lecture classes regularly, without receiving credit, may register as auditors with the approval of the instructor. Auditors are not entitled to participate in discussions, examinations, or other class activities, and are not permitted in seminars, laboratory sections, studio or activity courses. They are not subject to late registration fees. Courses audited will not appear on the student's records.

VISITOR'S TICKETS. Since the summer session provides an opportunity to hear classroom lectures given by many distinguished professors in various fields, visitor's tickets are available to persons who would like to visit different lecture classes without examination or credit. These tickets may be purchased at the business office, in Bachman Hall, for $40.00 per summer term. The visitor's ticket must be shown upon demand and entitles the bearer to attend any classroom lecture other than in institute courses, if there is an available seat. Visitors are not entitled to participate in classroom discussions, examinations, or other class activities, and are not permitted in seminars, laboratory sections, and foreign language, studio, and activity courses.
VETERANS. The University of Hawaii is authorized to enroll veterans under Public Laws 358, 634, 815, and 90-631. Students registering for the first time under these laws should bring with them their Certificate of Eligibility for Education and Training.

FOREIGN STUDENTS. All foreign students who plan to enroll in the summer session must report first to the English Language Institute (ELI), in Kuykendall Hall 226, in order to make arrangements for an evaluation of their English proficiency. Registration for University courses is not permitted until ELI completes its evaluation. Tests for this purpose will be given on March 8, May 10, and June 12.

Following evaluation of their English proficiency, the following classes of students are excused from ELI training: (1) those whose native language is English; (2) those who hold a degree from a college or university in an English-speaking country; (3) those whose English meets the University's standards for full-time study; and (4) those who have passed a semester's course in English composition with a minimum grade of "C" at an accredited American university.

All other foreign students are assigned to a program of ELI instruction designed to serve individual needs. (See page 73 for a description of ELI courses.) Because of their special nature, ELI courses take precedence over all other course work; they may not be postponed, dropped, or taken in auditor status. Students who fail to comply with ELI assignments may be denied further registration at the University.

Students assigned to ELI training take a reduced academic load, in order to devote sufficient attention to gaining satisfactory English competence. Students who are required to take relatively large amounts of ELI work must anticipate correspondingly slower progress toward their academic goals. This is an especially important factor in some graduate programs, and should be carefully considered by all foreign students whose time or financial support is limited.

Registration in ELI courses is restricted to students who have been officially admitted to the University. Students who apply to the University for the sole purpose of entering ELI in order to improve their English will not be accepted.

CHANGES. The University reserves the right to make changes in fees, faculty assignments, and time schedules, to cancel any course that does not draw adequate registration, and to set maximum limits for enrollment in certain classes. A final schedule of courses, including changes made after publication of this catalog, will be available at registration time.

STUDENT PROGRAMS. Undergraduate students are limited to a maximum program of 6 credit hours in each 6-week summer term. In exceptional cases, 7 credit hours may be carried if approved by the appropriate college
dean or, in the case of transient students (here for the summer only) by the Dean of Summer Session. Evening courses being taken concurrently in the Division of Continuing Education are to be included in the computation of total credits carried.

Graduate students may carry 7 credits during a 6-week term. The approval of the Dean of the Graduate Division, or the Dean of Summer Session in the case of transient students, is necessary for any heavier course load. The Graduate Division Bulletin lists courses acceptable for graduate credit.

DEANS' OFFICES. The offices of the deans are located as follows:

- Academic Development, Bachman 205
- College of Arts and Sciences, Webster 204
- College of Business Administration, Hawaii 110
- School of Travel Industry Management, Lunalilo Freeway 4
- College of Education, Wist Annex-2 224
- College of Engineering, Keller 119
- College of Health Sciences and Social Welfare, Leahi Hospital
- School of Medicine, Leahi Hospital
- School of Nursing, Webster 416
- School of Public Health, Spalding 255
- School of Social Work, Makai Campus 8
- College of Tropical Agriculture, Gilmore 114
- Division of Continuing Education and Community Service, Hawaii 21
- Graduate Division, Spalding 354
- Library Studies, Sinclair Library 15
- Summer Session, Pineapple Research Institute 101
REGISTRATION FOR FIRST TERM

I. Students enrolled at the University of Hawaii during the current spring semester and residents of Hawaii.

A. Distribution of Packets

Time, date, and place will be announced in the Honolulu Advertiser and Star-Bulletin.

B. Enrollment. Students will enter Klum gym to pick up IBM course cards and pay their fees at or after the hour indicated in the following time schedule (for last names):

**Thursday, June 12**

<table>
<thead>
<tr>
<th>Time</th>
<th>Last Name A-H</th>
<th>Last Name I-Z</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 a.m.</td>
<td>Ka–Kh</td>
<td>D, E, &amp; F</td>
</tr>
<tr>
<td>9:00 a.m.</td>
<td>Ki–Kz</td>
<td>C</td>
</tr>
<tr>
<td>10:00 a.m.</td>
<td>I, J, &amp; G</td>
<td>A–B</td>
</tr>
<tr>
<td>11:00 a.m.</td>
<td>H</td>
<td>L</td>
</tr>
</tbody>
</table>

**Friday, June 13**

<table>
<thead>
<tr>
<th>Time</th>
<th>Last Name A-H</th>
<th>Last Name I-Z</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 a.m.</td>
<td>T, U, &amp; V</td>
<td>N &amp; O</td>
</tr>
<tr>
<td>9:00 a.m.</td>
<td>Sa–Sh</td>
<td>Ma–Me</td>
</tr>
<tr>
<td>10:00 a.m.</td>
<td>Si–Sz</td>
<td>Mf–Mz</td>
</tr>
<tr>
<td>11:00 a.m.</td>
<td>P, Q, &amp; R</td>
<td>W, X, Y, &amp; Z</td>
</tr>
</tbody>
</table>

DO NOT REPORT AHEAD OF SCHEDULE. ALPHABETICAL AND TIME SEQUENCES WILL BE STRICTLY ENFORCED.

GYM DOORS WILL BE CLOSED BETWEEN 12 NOON AND 1 P.M. AND AT 4:30 P.M. ON JUNE 12 AND JUNE 13.

II. Mainland students: also University of Hawaii students and State of Hawaii residents who were unable to register previously.

A. Distribution of Packets. Packets will NOT be mailed ahead of time.

Report on Monday, June 16, 1969, anytime between 7:30 a.m.–3:30 p.m. to the University High School Multi-Purpose Building, corner of Dole Street and University Avenue.

NOTE: Students are advised to pick up their registration packets a half hour before they are scheduled to enter the gym as shown below.

B. Enrollment. Students will enter Klum gym to pick up IBM course cards and pay their fees at or after the hour indicated in the following time schedule (for last names):

**Monday, June 16**

<table>
<thead>
<tr>
<th>Time</th>
<th>Last Name A-H</th>
<th>Last Name I-Z</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 a.m.</td>
<td>L–N</td>
<td>A–B</td>
</tr>
<tr>
<td>9:00 a.m.</td>
<td>O–R</td>
<td>C–E</td>
</tr>
<tr>
<td>10:00 a.m.</td>
<td>S–V</td>
<td>F–H</td>
</tr>
<tr>
<td>11:00 a.m.</td>
<td>W–Z</td>
<td>I–K</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1:00 p.m.</th>
<th>2:00 p.m.</th>
<th>3:00 p.m.</th>
<th>4:00 p.m.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:00 p.m.</td>
<td>2:00 p.m.</td>
<td>3:00 p.m.</td>
<td>4:00 p.m.</td>
</tr>
</tbody>
</table>
DO NOT REPORT AHEAD OF SCHEDULE. ALPHABETICAL AND TIME SEQUENCES WILL BE STRICTLY ENFORCED.

GYM DOORS WILL BE CLOSED BETWEEN 12 NOON AND 1 P.M. AND AT 4:30 P.M.

REGISTRATION FOR SECOND TERM. Registration for the second term will take place on Monday, July 28. Students should report to Bilger Hall ANYTIME between 7:30 a.m. and 3:30 p.m. where they will be issued registration packets.

NOTE: Students are advised to pick up their registration packets a half hour before they are scheduled to enter HEMENWAY HALL as shown below.

Students will enter HEMENWAY HALL to pick up IBM course cards and pay their fees at or after the hour indicated in the following time schedule (for last names):

<table>
<thead>
<tr>
<th>Last Names</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>L-N</td>
<td>8:00 a.m.</td>
</tr>
<tr>
<td>O-R</td>
<td>9:00 a.m.</td>
</tr>
<tr>
<td>S-V</td>
<td>10:00 a.m.</td>
</tr>
<tr>
<td>W-Z</td>
<td>11:00 a.m.</td>
</tr>
<tr>
<td>A-B</td>
<td>1:00 p.m.</td>
</tr>
<tr>
<td>C-E</td>
<td>2:00 p.m.</td>
</tr>
<tr>
<td>F-H</td>
<td>3:00 p.m.</td>
</tr>
<tr>
<td>I-K</td>
<td>4:00 p.m.</td>
</tr>
</tbody>
</table>

DO NOT REPORT AHEAD OF SCHEDULE. ALPHABETICAL AND TIME SEQUENCES WILL BE STRICTLY ENFORCED.

HEMENWAY HALL WILL BE CLOSED BETWEEN 12 NOON AND 1 P.M. AND AT 4:30 P.M.

LATE REGISTRATION. Late registration will be permitted the first two days of instruction if approved by the appropriate dean and during the succeeding two days if approved by both the dean and the instructor concerned. Thereafter, students may not register for credit but may be admitted as auditors with the consent of the Dean of Summer Session.

CHANGE OF REGISTRATION. Changes in registration will be permitted beginning Wednesday, June 18, in the first term, and Wednesday, July 30, in the second term. Change of program forms may be obtained at the deans' offices.

For change fees and refunds, see below.

RESERVATION OF CLASS SPACE. In anticipation of certain courses being closed, many students request that space be reserved in order to be guaranteed enrollment in certain courses. Unfortunately, the University of Hawaii is not in a position to accommodate these requests. Students are advised, therefore, to have alternate courses in mind as they plan their summer program.
STUDENT NUMBERS. The University uses Social Security numbers for student numbers. All students, therefore, must present Social Security cards at the time of their first registration at the University. Students who do not have numbers, those who have lost their cards, and those who have had name changes since getting cards should arrange with their local Social Security offices for assignment of numbers prior to registration. Students from foreign countries may make application for Social Security numbers at the time of registration.

ZIP CODES. The University cooperates with the United States Post Office Department in recording zip codes for all registered students. Students should acquaint themselves with zip codes, both for their permanent and local addresses, so that the codes may be entered on their registration materials.

TUITION AND FEES. The summer session receives no legislative appropriation and is expected to operate within the limits of its own revenues. The following schedule of fees applies equally to all students, including persons from out of state.

Tuition is $16.00 per credit hour, whether the course is audited or taken for credit. There is no separate registration fee, no laboratory or other course fees, except for applied music, institutes, and other special programs as noted in the catalog. All zero (0) credit courses will be charged $16.00 per credit hour based on the equivalent credit hours.

An activity fee of $2.50 is charged during the first 6-week term.

Fees must be paid in full at the time of submission of registration cards. A student's registration is not complete until all fees have been paid.

A late registration fee of $5.00 is charged beginning the day instruction starts.

There is a charge of $2.00 for any change in program after registration unless waived for good cause by the Dean of Summer Session.

Library fines and others, such as for violating campus parking regulations, must be paid promptly. Students are expected to learn the campus driving, parking, and library rules.

REFUNDS. A student in good standing who withdraws from a course may obtain the following refunds, upon presenting his fee slip receipt:

$12.00 per credit, until 4 p.m. on June 19 (first term); or until 4 p.m. on July 31 (second term).

$6.00 per credit thereafter, until 4 p.m. on June 24 (first term); or until 4 p.m. on August 5 (second term).

There will be no refunds after June 24 in the first term and after August 5 in the second term. No part of the $40.00 visitor's ticket, the student activity fee, or of the laboratory or course fee, where assessed, is refundable. 100% refund is granted only when the University is responsible for a change of program.
PERSONAL CHECKS. Traveler's checks, cashier's checks, and money orders are accepted. Personal checks will be accepted for payment of summer session fees only when the amount of the check does not exceed the amount due from the student. If the check is not honored by the bank concerned the student will be assessed an additional charge of $10.00.

GRADES AND EXAMINATIONS. Final examinations are given in all courses unless other methods of grading are authorized by the Dean of Summer Session. The final examination is given at the last scheduled meeting of the class. Unless satisfactory arrangements have been made with the instructor in advance, absence from the final examination will be counted as "0" (zero) in computing the grade for the course. Students must complete all work and examinations required by their instructors, attend classes regularly until the end of each course, and hand in all assignments by that time. No part of the work may be continued beyond the end of the term.

The grading system is the same as in the regular sessions: A, excellent; B, good; C, fair; D, barely passing; F, failure. The grade I (incomplete) is not normally used in summer session, but if it is, the grade will be changed to F if the student's work is not completed prior to the Thanksgiving recess.

Student copies of summer grades are sent to the Hawaii address shown on the Personal History Form within a week after the end of each six-week term.

WITHDRAWALS. To withdraw from a course a student must obtain a withdrawal form at the appropriate dean's office and have it properly filled with all necessary signatures. The effective date of withdrawal is the date recorded by the business office. A student who stops attending a course without going through the foregoing procedure will receive an F (failure) for the course. During the first five days of instruction in any term a formal withdrawal is marked W on the student's record. Thereafter, and prior to the last five days of instruction in the term, a formal withdrawal is marked W if the student's work was of passing grade; otherwise it is marked W-F. No withdrawals from courses are permitted during the last five days of instruction.

To withdraw completely from the summer session, a student must fill out a form available at the Records office, and fulfill all its requirements.

TRANSCRIPTS. A student who requests the Records office to send a transcript of his work to another institution is not required to pay for the first copy but is charged $1.00 for each subsequent copy. If a student's records indicate an indebtedness to the University, such as unpaid library or parking fines and the like, his transcript will carry the following notation: "Denied further registration. Financial obligation."
TO DOE TEACHERS OF HAWAII. Transcripts or grade slips of work done during the summer to qualify for higher salary classification will be accepted by the Department of Education up to September 30, 1969. Salary adjustment made as a result of such work will be effective as of September 1.

LIBRARY PRIVILEGES. Students will be issued identification cards for the use of library facilities and borrowing of library materials. The activity card, which may be claimed at the summer session recreation office, Hemenway Hall 2nd floor, upon presentation of the registration receipt, will also serve as the library identification card.

Summer Session Notes

ENROLLMENT FIGURES. The University of Hawaii summer session is one of the largest in the country. In 1968, a total of 20,638 students enrolled, registering for 81,253 credits. Some 75% of the students were from Hawaii, 20% from the mainland, and 5% from other countries or areas; women students outnumbered the men by about 57% to 43%; and some 51% of the summer students were candidates for University of Hawaii degrees and diplomas.

COURSES ON ASIA AND THE PACIFIC. In addition to standard courses comparable to those given at other American universities, the 1969 summer session offers many distinctive courses such as the following:

- American Studies: Social Thought in East and West.
- Anthropology: Regional Cultures of Oceania, Hawaii.
- Art: Aspects of Asian Art; Art of China; Art of South Asia.
- Asian and Pacific Languages: Chinese; Hawaiian; Hindi; Indonesian; Japanese; Korean; Sanskrit; Tagalog; Thai; Vietnamese.
- Asian Studies: Summer Institute; Study Tour of Asia.
- Drama and Theatre: Oriental Drama and Theatre; Japanese Theatre.
- Education: Methods and Materials for the Study of Hawaii; History of Education in Hawaii; Dances of Hawaii.
- English: Literature of the Pacific.
- Food and Nutritional Sciences: Foods of the Pacific.
- Geography: Japan; Australia and New Zealand; Hawaii; Southeast Asia.
History: South Asia; China; Japan; Hawaiian Islands; Southeast Asia; Indonesia.
Library Studies: Administration of Libraries in Asia; Asian Reference Sources.
Philosophy: Indian; Buddhist; Chinese.
Political Science: Government and Politics of South and Southeast Asia.
Religion: Asian Religions and Social Change.
Sociology: People and Institutions of Japan; Race and Culture Contacts in Hawaii.

EAST-WEST PHILOSOPHERS' CONFERENCE. The Fifth East-West Philosophers' Conference will be held at the University from June 22 to July 26, 1969, on the theme "The Alienation of Modern Man." In conjunction with the Summer Session of the University, the Conference will offer students opportunities to study Asian and comparative philosophy. The Conference program will include a series of lectures and panel discussions open to the public. Members of the Conference will also participate in certain courses offered in the Summer Session.

Philosophy courses to be offered in the summer of 1969 are:

100 Introduction to Philosophy
200 History of Philosophy
210 Introduction to Logic
306 Continental Rationalism
310 Twentieth Century Philosophy
417 Theory of Knowledge
425 Philosophy in Literature
450 Indian Philosophy
460 Buddhist Philosophy
470 Chinese Philosophy
656 Indian Social Philosophy
662 Zen (Ch'an) Philosophy
700 Individual Western Philosophers (Heidegger)
770 Seminar in Chinese Philosophy
780 Seminar in Comparative Philosophy

For further information concerning the Conference write to Professor Abraham Kaplan, Director, Fifth East-West Philosophers' Conference, 1993 East-West Road, University of Hawaii, Honolulu, Hawaii 96822.

Institute on Asian Studies. June 16–July 25. The Eleventh Summer Institute on Asian Studies will be directed by Dr. Ulrich H. R. Mammitzsch,
Assistant Professor of History, University of Hawaii. The program carries 6 graduate credits and is designed primarily for secondary school teachers, administrators and librarians, but it is open to others as well.

The institute will offer lectures, discussions, workshops, and films on East, Southeast, and South Asia; special evening programs (Asian music, dance and the arts); tours of Asian temples; and other cultural activities.

The East-West Center Institute for Student Interchange is offering 100 tuition and partial travel grants to secondary school teachers of social sciences or literature, curriculum coordinators, administrators, and librarians selected for participation in this institute.

Membership fee in the institute is $110.00, including tuition and student activity fees. For application forms write to: Summer Session Office, 2500 Dole Street, Room 101, University of Hawaii, Honolulu, Hawaii 96822.

EPDA Title V-E Institute for Counseling and Guidance, Three Summer Sequence, Junior College. June 16–August 8. To improve the qualifications of individuals who are engaged, or teachers preparing to engage, in counseling and guidance of students in junior colleges and technical institutes. Inquiries should be addressed to the director of the institute: Dr. Daniel W. Fullmer, Department of Educational Psychology, College of Education, University of Hawaii, 1776 University Avenue, Honolulu, Hawaii 96822.

Summer Institute in Economic Education. June 16–July 25. The seven credit institute (Ed CI 699, Ed CI 497, and Econ 492) will accept 50 secondary school teachers and curriculum specialists in social studies. Applications will be accepted from all parts of the United States. Preference will be given to teachers from Hawaii and the Pacific region. The three courses which will be offered to the participants will stress basic economic concepts, methods of instruction, and Hawaii as a case study.

Scholarships will be given to 25 high school students who will take a course in economics. This practicum will be an integral part of the institute and the teacher will participate in the instruction of the high school course.

All fees and tuition will be paid by the Hawaii Joint Council on Economic Education. For further inquiries, write to: Hunter M. Temple, Director, Office of Economic Education, 2327 Dole Street, Honolulu, Hawaii 96822.

Summer Work-Study Program in Mental Health and Related Areas. June 16–July 25. For students in any field of study in a college or university who would like to explore career possibilities in mental health or related areas, or who would like to gain a better understanding of community and institutional efforts in these areas. Sponsored by the Western Interstate Commission on Higher Education, the program includes field experience at institutions for the mentally ill, mentally retarded, delinquent, and other community service agencies, as well as academic work, tutorial conferences,
seminars, and study projects. Six undergraduate credits (Ed EP 200) are earned. A stipend of $450.00 is awarded to selected students. Inquiries should be addressed to the director of the work-study program: Dr. Dean K. McIntosh, Department of Educational Psychology, University of Hawaii, 1776 University Avenue, Honolulu, Hawaii 96822.

Summer Institute in Science and Mathematics for Teachers of U. S. Children in the Far East. The institute is supported by the National Science Foundation and will be held from June 16–July 25, 1969 at Chofu, Japan. The program is designed to improve the quality of science and mathematics instruction in those elementary and secondary schools in the Far East which enroll an appreciable number of American children by providing some of their teachers with the opportunity to increase their subject-matter competence in mathematics, biological sciences, and physical sciences. Enrollment is limited to persons who are now teaching in eligible schools in the Far East, or who will be teaching there in the fall of 1969. Director of the Institute will be Dr. Charles H. Lamoureux, Department of Botany, 2450 Campus Road, University of Hawaii, Honolulu, Hawaii 96822.

N. S. F. Summer Institute in Science for Secondary School Teachers in the Trust Territory of the Pacific Islands. June 23–August 1. Koror, Palau, Caroline Islands. This institute was requested by the Commission of Education of the Trust Territory, sponsored by N. S. F., for science teachers in secondary schools throughout the Trust Territory. Instruction will be offered in marine biology, tropical meteorology, astronomy, and Pacific island geology. The institute is so designed to take advantage of the natural endowments of the Palau Island group and to explore science with the participants by maximum use of the ocean, coral reefs, weather systems, stars and planets, and local rocks and minerals.

The program as far as N. S. F. support is concerned is limited to 30 school teachers from Micronesia. The director of the institute is Dr. Agatin T. Abbott.

Workshop in Aerospace Education. June 16–July 11 (4 weeks). Introduction to aerospace science and technology and the social, economic, and political implications; designed for K-12 teachers, administrators, and curriculum specialists; background in science not required. Enrollment is limited and advanced registration by May 1 is required. Inquiries should be directed to Donald G. Aten, Coordinator, College of Education, University of Hawaii, 1776 University Avenue, Honolulu, Hawaii 96822.

Institute on Foods of the Pacific. June 16–July 25. The food habits, customs, and cookery of China, Japan, Korea, the Philippines, and Hawaii (see FN 377). Inquiries should be addressed to: Assistant Dean Hazel V. Kraemer, Miller Hall 109, University of Hawaii, Honolulu, Hawaii 96822.
Study Tour of Europe (Returning via Asia). June 30–August 22. A study tour of Europe including the U.S.S.R. and returning round the world via Asia, will be led by Dr. Robert E. Potter, Associate Dean for Academic Development. After a week of orientation on the campus, the group will leave for Europe on July 5 via New York. The tour will include London, Stratford-upon-Avon, Coventry, Paris, Berlin, Nuremberg, Rothenburg, Munich, Garmisch-Partenkirchen, Venice, San Marino, Rome, San Gimignano, Florence, Pisa, Como, Lugano, Lucerne, Zurich, Vienna, Moscow, Leningrad, New Delhi, Agra, Calcutta, Bangkok, Hong Kong, Tokyo, and Nikko. Travel arrangements will be handled by Mrs. Ruth Rittmeister, manager of International Travel Service of Honolulu. Inquiries should be addressed to: Dr. Robert E. Potter, Bachman Hall 205, University of Hawaii, Honolulu, Hawaii 96822.

Study Tour of Asia. June 30–August 8. A study tour of the Far East and Southeast Asia will be led by Professor Douglas S. Yamamura, Chairman of the Department of Sociology. After a week of lectures and programs on campus, the group will leave Honolulu on July 5. The itinerary will include Tokyo, Nikko, Kamakura, Hakone, Nagoya, Kashiwajima, Kyoto, Nara, Okinawa, Taipei, Taroko Gorge, Manila, Singapore, Kuala Lumpur, Bangkok, Hong Kong, and Macau. Travel arrangements will be handled by Mrs. Ruth Rittmeister, manager of International Travel Service of Honolulu. Inquiries should be addressed to: Dr. Douglas S. Yamamura, Department of Sociology, 2550 Campus Road, Room 327, University of Hawaii, Honolulu, Hawaii 96822.

Art and Architecture Study Tour. This tour to Europe, conducted under the direction of Professor A. Bruce Etherington, will acquaint students at first hand with art and architectural treasures of the past and present and will encourage a greater understanding of the cultures and peoples of other lands. These tours are restricted to students currently enrolled at the University of Hawaii. Travel arrangements will be handled by Ala World Travel. For particulars, write to: Professor A. Bruce Etherington, Department of Art and Architecture, 2560 Campus Road, University of Hawaii, Honolulu, Hawaii 96822.

Tourism Study Tour. This tour to Europe, conducted under the direction of Mr. Roger N. Lascelles, Visiting Instructor in Travel Industry Management, will expose students to the physical European tourist facilities and the concepts of management and the philosophy influencing the structure of European tourism. This tour is restricted to students currently enrolled at the University of Hawaii. For particulars, write to: Mr. Roger N. Lascelles, TIM School, 1300 Lower Campus Road, Lunalilo Freeway Bldg. 3, Room 6, University of Hawaii, Honolulu, Hawaii 96822.
Matson South Pacific Educational Cruises. A course on Geography of the Pacific Ocean Area and a course on Geographic Exploration and Mapping in the Pacific will be offered by Mr. Abraham Piianaia aboard the S. S. Mari­posa, leaving San Francisco on June 8 for a cruise of the South Pacific. A course on The Sea will be offered by Dr. Robert W. Hiatt on the S. S. Monterey, leaving San Francisco on July 3. Each ship will visit Los Angeles, Bora Bora, Papeete, Rarotonga, Auckland, Sydney, Noumea, Suva, Niuafo'ou, Pago Pago, and Honolulu, before returning to San Francisco.

For particulars, write to: Summer Session Office, 2500 Dole Street, Room 101, University of Hawaii, Honolulu, Hawaii 96822; or to the N.E.A. Division of Educational Travel, 1201 16th Street, N.W., Washington, D. C. 20036; or to the Division of Educational Services, Matson Lines, 110 Mission Street, San Francisco, California 94105.

P & O South Pacific Educational Cruise. A course on Arts of the Pacific will be offered by Professor J. Halley Cox aboard the S. S. Orsova, leaving Honolulu on July 3 for a cruise of the South Pacific. Visits will be made to Suva, Auckland, Rotorua, Sydney, Canberra, Hong Kong, Kobe, Nara, Kyoto, Tokyo, Kamakura, and Yokohama, before returning to Honolulu.

For particulars, write to: Summer Session Office, 2500 Dole Street, Room 101, University of Hawaii, Honolulu, Hawaii 96822; or to Professor J. Halley Cox, Department of Art, 2560 Campus Road, University of Hawaii, Honolulu, Hawaii 96822; or to International Travel Service, 307 Lewers Street, Honolulu, Hawaii 96815.
Extracurricular Activities

UNIVERSITY PROGRAM. During the first 6-week term, an extensive program of educational and recreational extracurricular events is sponsored by the summer session office. The program includes Tuesday evening lectures, the Summer Theatre, guided tours on and off campus, and various programs at Hemenway Hall, the student union building.

Details of the summer program for 1969 will be printed in Summer 1969, a special publication distributed at the beginning of the first summer term.

ACTIVITY CARDS. Students who have paid their fees are issued summer session activity cards which may be claimed at the summer session recreation office, Hemenway Hall 2nd floor. The activity card entitles the bearer to attend or participate in various extracurricular events sponsored by the summer session office during the first 6-week term. For certain trips or activities an additional fee is charged to help defray the cost.

Summer session faculty members may purchase activity cards at the student price of $2.50. Spouses and children (late teenager or older) of these faculty members or of summer session students may purchase activity cards for $10.00, upon approval of the Director of Student Activities. Persons not fitting the foregoing categories are not eligible for the activity cards.

The activity card is not transferable. Loss of one’s card must be reported immediately to the business office of the University. Illegal use of another’s card is subject to disciplinary action.

HEMENWAY HALL. Hemenway Hall, the student union building, is available for use each morning, Monday through Friday. Its services include Carnegie Concerts, current periodicals and local newspapers, table games, and ping pong. Lounges and meeting rooms, a barbershop, and the University cafeteria are also located in this building.

SUMMER PLAYS. The University Summer Theatre will present plays and a dance concert in the John F. Kennedy Theatre. Summer session students may apply for participation in the productions; students wishing to receive academic credit for such participation may register for Theatre Workshop (Drama S 250).

Reserved seat tickets will be available at the Kennedy Theatre box office Monday through Saturday from 9 a.m. to 1 p.m. during the six-week period (telephone 944-8746 or 944-8747); reservations are held until 1 p.m. the day before a performance. There will be a nominal charge for summer session students with activity cards. Admission for those without activity cards will be $2.50 for adults and $1.25 for students.
FESTIVAL OF THE ARTS OF THIS CENTURY. The twelfth annual Festival of the Arts of This Century will be presented concurrently with the summer session, June 16 to July 25. Sponsored by the University of Hawaii Summer Session and the University of Hawaii Foundation, the Festival is dedicated to the exchange of East-West contemporary arts in music, dance and visual arts and theatre.

Visiting Professor Ingolf Dahl from the University of Southern California and other important Asian-Western composers are being invited. A young composers concert, performed by University of Hawaii student musicians, will present works by young composers from Asia, a mainland United States university, and the University of Hawaii.

The modern dance concert will feature the appearance of Jean Erdman, the noted New York performer and choreographer. Qualified summer students may study advanced modern techniques with Miss Erdman and will have an opportunity to appear in the Festival dance program. Also performing in this concert will be the University of Hawaii Dance Theatre.

OF INTEREST TO VISITORS. Honolulu is a cosmopolitan metropolis of over 400,000 people representing nearly all parts of the world. The numerous shops offering exotic wares from everywhere, the lovely residential districts, and the beach areas with their sand, surfboards, and catamarans are of special interest to visitors. Then, there are the famed Bernice P. Bishop Museum, the Honolulu Academy of Arts, the Ulu Mau Hawaiian Village, the Foster Park Botanical Gardens, the Pacific National Memorial Cemetery, the Queen Emma Museum, the Royal Mausoleum, and the only erstwhile royal palace on American soil, Iolani Palace; also, Buddhist, Shinto, Confucian, and Taoist temples and shrines. There are dining facilities and restaurants of all types, many movie theaters, including drive-ins, five television and sixteen radio stations, free concerts by the municipal Royal Hawaiian Band, the extensive Honolulu Zoo, the University's Aquarium at Waikiki, and other attractions to suit diverse tastes. In the city's environs, around the island of Oahu, and on the neighboring islands of Kauai, Maui, Molokai, Lanai, and Hawaii, there is an endless succession of fascinating places to visit.
Housing Information

The student is cautioned about several problem areas in making plans to attend the University of Hawaii.

Finding suitable housing in Honolulu is a major problem unless dealt with in advance of registration. Acceptance to the University does NOT assure one that housing will be available. Housing in this community is scarce and expensive. The student should be aware of this before arrival in order to be prepared.

On campus, there is only a limited number of residence hall facilities. All assignments are made on a first-come, first-served basis by date of application received in the Student Housing Office. There are no facilities on campus for married students. The office does keep listings of available off-campus spaces but these are small units scattered throughout Honolulu. These listings are limited and taken early—usually a month or more in advance of the term—and remaining facilities are farther away from campus and expensive.

The student must be prepared to make temporary housing arrangements in hotels or other quarters, if possible in advance, and to keep in mind that rental rates can quickly use up personal funds. The student himself must investigate all possible avenues of searching for housing including newspapers, rental agencies, personal or professional contacts in the community or any other available source. There is no place on campus to which luggage or mail may be forwarded ahead of arrival.

Inquiries concerning student housing should be directed to the Student Housing Office, Johnson Hall A, 2555 Dole Street, Honolulu, Hawaii 96822.

ON CAMPUS. To be eligible for any University of Hawaii residence hall, a student must be registered for at least 3 hours of lecture courses for credit. Examples of courses which do NOT meet this requirement are courses audited, night courses, or applied courses (such as physical education, applied music, applied art, etc.), and most of the 1 credit courses offered by the University. If there is any doubt as to proposed courses meeting the requirement, check with the housing office at time of registration. A student who reduces his load during the session to less than 3 hours of lecture courses for credit or who withdraws or who simply stops attending classes becomes ineligible for further residency and forfeits rental fees. He must vacate the hall within 24 hours of change of schedule. Application-contracts must be accompanied by the deposit before consideration for space reservation can be made. The contract is for room and board. Meals include breakfast and lunch, Monday through Friday.
**Six-Week Contract**

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**University Housing Facilities Available:**

- **Frear Hall:** Accommodates 144 residents in double rooms.
- **Hale Kahawai:** Accommodates 140 residents in double rooms.
- **John A. Johnson Hall, Building A:** Accommodates 80 residents in double rooms.
- **John A. Johnson Hall, Building B:** Accommodates 112 residents in double rooms.
- **Gateway House:** Accommodates 104 residents each in two separate towers.
- **Hale Laulima:** Accommodates 140 residents in double rooms. Also, there are 14 single accommodations with room and board fee at $230.

Residence hall facilities are available only during the first 6-week term.

**OFF CAMPUS.** The rush for off-campus accommodations usually starts about three weeks prior to beginning of classes.

The Student Housing Office offers listings of rooms in private homes, a few apartments, and room and board jobs. These units are not inspected and negotiations with landlords are made directly by students.

Names of landlords are not available through the mail because of a rapid turnover in a tight housing market. Names of students looking for roommates are also not available.

**Non-University Housing.** Atherton House, the international residence of Atherton Branch Y.M.C.A., is located in the heart of the old campus, with all buses arriving at the University stopping nearby. The complete dormitory unit has singles, small doubles, large doubles, and triples for 80 to 90 students. Only men will be housed in the dormitory in the first session, but women may apply for the second session. Three completely furnished studio apartments are also available. For further information about the board and room package plan write to: The Director, Atherton Y.M.C.A., 1810 University Avenue, Honolulu, Hawaii 96822.

The Shinshu Kyokai Dormitory, at 1641 South Beretania Street, about a mile from campus, can accommodate some 95 students, both men and women. For further information about its board and room rates, write to: the resident administrator Mrs. Yoshiko Tatsuguchi, 1631 S. Beretania Street, Honolulu, Hawaii 96814, or telephone 941-2033.

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* Board charges may be subject to change with 30 days notice.*
Additional Information

**STUDENT HEALTH SERVICE.** The Student Health Service is interested in assisting the student with his health problems while he is attending the University of Hawaii. Its medical care program is comparable to that of the general office practice of medicine. A dispensary provides physician and nursing care from 7:15 a.m. to 4:30 p.m., Monday through Friday; and from 9:00 a.m. to 11:00 a.m. on Saturdays. The infirmary can provide beds for medical care of minor illnesses on a 24-hour basis, 7 days a week, during the first summer term only.

A student may need to be referred to a private physician for medical care problems beyond the scope of the Health Service. It is therefore strongly advised that each student join a health insurance program to obtain supplemental medical and hospital coverage while he is on campus.

All regularly registered students of the University of Hawaii may continue to use the services of the Health Service if they have a completed University of Hawaii Health Form on file.

Summer session students who have special medical problems that require close followup by the Health Service should bring letters from their personal physicians specifying recommendations for their care. Allergy shots, for example, will not be given by the Health Service unless the student submits authorization and directions from his personal physician.

**Medical clearance for Health and Physical Education course requirements.** Certain courses offered by the health and physical education department require medical clearance for admission (see course listings under Health and Physical Education). Regularly registered students of the University of Hawaii who have been given medical clearance by the Student Health Service during the current academic year may register for HPE courses during the summer session without further medical clearance. Students who are registered for the summer session only will be issued this medical clearance by the Health Service provided the following steps are taken:

1. The student must have a medical examination performed by his personal physician. Arrangements for this medical examination, including payment, must be made by the student.
2. The student must submit the result of the medical examination to the Health Service. The University of Hawaii health form for reporting the result of the medical examination may be obtained by writing to: Student Health Service, University of Hawaii, 1710 East-West Road, Honolulu, Hawaii 96822.
3. The Health Service will then study medical examination report and issue the appropriate medical clearance.
TRANSPORTATION. Air service on regular schedules between continental United States and Hawaii is provided by United Air Lines, Pan-American World Airways, and Northwest Air Lines. Canada and Hawaii are linked by Canadian Pacific Air Lines and Qantas Airways. Steamship service is provided by Matson Navigation Company and the American President Lines, among others.

The University is located on a Honolulu Rapid Transit bus line that can take one to the center of town. There are connecting bus lines to the Waikiki Beach area. Fares are five tickets for $1.00, or 25¢ cash. During the period of the summer session, special shuttle bus service between the University and the Waikiki district is available at certain hours.

The major outer islands, Hawaii, Maui, and Kauai are easily reached by Aloha Airlines and Hawaiian Airlines with many daily flights.

STUDY TOURS TO HAWAII. Each year various travel agencies bring to Hawaii many hundreds of students whom they have enrolled as members of their study or tour groups. However, NO TRAVEL AGENCY OR PERSON HAS EVER BEEN AUTHORIZED TO REPRESENT THE UNIVERSITY OF HAWAII IN RECRUITING STUDENTS FOR TOURS TO HAWAII. It should be understood, of course, that the University of Hawaii welcomes all qualified students, whether they come by themselves or in organized groups, and that no special treatment is accorded anyone because of membership in a tour group.

These study tours to Hawaii should not be confused with certain overseas study tours which have been arranged at the request of the summer session office, and which start from the University of Hawaii campus with a member of our resident faculty in charge; or the South Pacific Educational Cruises operated by the summer session office with the cooperation of the N.E.A. Division of Educational Travel, the Matson Navigation Company, and the P&O-Orient Lines.

DRIVERS' LICENSES. Mainland visitors with valid drivers' licenses are permitted to drive in Hawaii for 90 days following arrival, after which they must obtain Hawaiian licenses. However, if the driver is under 20 years of age, he or she must file a parental consent form with the Honolulu Police Department. This form may be obtained at police headquarters in Honolulu. A duly notarized statement signed by the drivers' parents may be submitted for consideration by the Honolulu Police Department in lieu of this form. A driver under 20 years of age is otherwise liable to arrest.

PARKING AND TRAFFIC. Students are expected to familiarize themselves with the University's parking and traffic rules and regulations established by the board of regents. These regulations, together with special instructions, may be obtained at several locations on campus including the Admissions and Records Office in Bachman Hall, and the Auxiliary Services
building. Ignorance of these rules and special instructions will not excuse a student from the payment of fines for violations.

Parking stickers are sold near the swimming pool during registration and at the traffic desk in the Auxiliary Services building thereafter.

FINANCIAL AIDS. Opportunities for part-time employment during the summer are quite limited. Students should therefore plan to meet all of their summer session expenses without relying on part-time employment. Students from other states are advised that living costs in Hawaii are higher than in most mainland communities.

No scholarships are available during the summer session, except in certain institutes and special programs.

A limited amount of money is available for National Defense Student Loans only to qualified students who are completing work toward a University of Hawaii degree.

CLASSROOM ATTIRE. One of the pleasant features of summer sessions in Hawaii is that professors and students are generally attired somewhat more informally than during the fall and spring semesters, and colorful "Aloha" shirts and Hawaiian dresses make the campus one of the most picturesque to be seen anywhere. Canons of good taste are, of course, expected to be observed by all.

HILO CAMPUS SUMMER COURSES. The University of Hawaii Hilo Campus is on the island of Hawaii some 200 miles southeast of Honolulu. During the academic year it enrolls about 600 students. A select list of summer courses will be offered again, both for entering freshmen and other undergraduates and for teachers in service. Students planning to enroll in summer courses and requiring housing should contact the Office of Student Personnel, Hilo Campus, for information concerning available housing in the city of Hilo. Inquiries should be addressed to: Provost, University of Hawaii Hilo Campus, Hilo, Hawaii 96720.
COURSES OFFERED

The course numbering system used at the University of Hawaii is as follows:

1. UNDERGRADUATE COURSES ......................... 1 through 499
   A. Courses not applicable toward a bachelor's
degree .................................................. 1–99
   B. Courses applicable toward a bachelor's
degree .................................................... 100–499
      Initial or introductory courses; normally
      open to freshmen .................................. 100–199
      Second-year courses in a sequence or
      development within a field of study .......... 200–299
      Third-year courses in sequence, or first
      courses in professional curricula normally
      taken by juniors .................................... 300–399
      Most advanced undergraduate courses ...... 400–499

2. POST-BACCALAUREATE COURSES .................. 500 through 800
   A. Courses in continuing education not
generally applicable toward degrees .......... 500–599
   B. Courses applicable toward advanced degree... 600–800
      Courses typically taken in first year of
      graduate study, or first in sequence ......... 600–699
      More advanced graduate courses .......... 700–799
      Thesis research ............................... 800

The number of semester credit hours carried by each course is listed in parentheses immediately after the title of the course.

Most classes will be held according to the following schedules:

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<tr>
<th>50-MINUTE CLASSES</th>
<th>75-MINUTE CLASSES</th>
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FIRST TERM  June 16—July 25

AGRICULTURE, TROPICAL

Agriculture (AG)

299  Agricultural Practice (arr.)  S. Goto
399  Agricultural Thesis (arr.)  Staff

Agricultural Economics (AEc)

399  Directed Study (arr.)  Staff
Limited to exceptional undergraduate students who are qualified to carry on advanced study. Pre: consent of instructor.

699  Directed Research (arr.)  Staff

Agricultural Engineering (AE)

699  Directed Research (arr.)  Staff

Agronomy (Agron)

699  Directed Research (arr.)  Staff
700  Directed Research  Staff

Animal Sciences (An Sc)

941  Livestock Management (8)  Staff
Assigned problems and practical experience in management of livestock; evaluating, feeding and housing beef cattle, dairy cattle, poultry, swine. Required for animal science majors during summer between junior and senior years.
Daily 7:00–12:00 Waialee Farm

699  Directed Research (arr.)  Staff
800  Thesis (arr.)  Staff

Entomology (Ento)

999  Directed Research (arr.)  Staff
Limited to participants in the National Science Foundation Undergraduate Research Participation Program and to exceptional undergraduate students who are qualified to carry on research problems.

699  Directed Research (arr.)  Staff

Food Science (Fd Sc)

699  Directed Research (arr.)  Staff
799  Directed Research (arr.)  Staff
Horticulture (Hort)

699 Directed Research (arr.)  
Staff

Plant Pathology (PPath)

605 Clinical Plant Pathology (3)  
A. P. Martinez

699 Directed Research (arr.)  
Staff

Soil Science (Soils)

699 Directed Research (arr.)  
Staff

799 Directed Research (arr.)  
Staff

Fashion Design, Textiles and Merchandising (FDM)

111 Aesthetics of Clothing (3)  
Herrick
Factors involved in clothing selection. Principles of line, color, design for individual figures. Consumer buying of wardrobes. Daily 8:45–10:00

125 Fashion Analysis (3)  
Troxell
Dynamics of fashion; environmental factors influencing fashion demand; analysis of fashion trends; history, structure and terminology of the women's fashion industry. Daily 10:10–11:25

329 Fashion Field Experience (2)  
Furer, Troxell
Eight weeks' full time supervised internship for qualified fashion design majors in apparel manufacturing plants; in department and specialty stores for qualified fashion merchandising majors. Comprehensive terminal report required. Pre: junior or senior standing; consent of instructor prior to May 15.

416 Costumes of Northeast Asia (3)  
Umbel
Historical development and characteristic features of traditional and folk costumes and fabrics of China, Vietnam, Korea, Japan and Okinawa. Relation to customs and cultures; impact of Western influence on contemporary dress. Pre: Hist 151–152. Daily 11:35–12:50

Food and Nutritional Sciences (FN)

377 Institute on Foods of the Pacific (3)  
M. L. Ching, C. C. Chee
Designed to acquaint the student with food habits, customs, and cookery of nations bordering the Pacific. Chinese, Filipino, Hawaiian, Japanese and Korean foods will be prepared and served. One lecture period and two laboratory periods weekly. Pre: home economics course in foods, or previous experience in food preparation. Open to men and women upper division or graduate students. Lab fee: $20.00  
Lab (1) WF 7:30–9:50 (Ching)  
Lecture: M 10:10–12:30  
(2) TTh 10:10–12:30 (Ching)  
(3) TTh 10:10–12:30 (Chee)  
(4) WF 10:10–12:30 (Ching)  
(5) WF 10:10–12:30 (Chee)

499 Directed Reading and Research (arr.)  
Staff
Food Service Administration (FSA)

283 Classical Food and Beverage Management (3)  G. Hotchkinn
Study of classical beverages, production characteristics in relation to food service planning and classical cuisine. Lab experience with gourmet and ethnic cookery. Pre: 281.
Daily 10:10-11:25

499 Directed Reading and Research (arr.)  Staff

Nutrition (Nutr)

699 Directed Reading and Research (arr.)  Staff

AMERICAN STUDIES (Am St)

397 Social Thought in East and West (3)  N. F. Springel
Some basic problems and processes of human society, examined through a comparison of East and West.
Daily 11:35-12:50

485 Dissent (3)  J. P. Gurian
Development of modern dissent and its uses in American religious, political, social movements.
Daily 8:45-10:00

799 Directed Research (3)  Staff
Pre: graduate standing; consent of instructor.
Hrs. arr.

ANTHROPOLOGY (Anth)

150 Introduction to Anthropology (3)  T. S. Newman
Human evolution: prehistoric development of culture; recent and contemporary man. common features and principal variations in cultural behavior.
Daily 8:45-10:00

200 Cultural Anthropology (3)  A. Vengoyan
Nature of culture; basic concepts for analyzing cultural behavior: patterning, integration, and dynamics of culture: culture and the individual.
Daily 8:45-10:00

230 Social Anthropology (2)  A. Vengoyan
Systematic study of human social institutions; general principles of social interaction formulated from ethnographic data. Pre: 150 or 200 or written consent of instructor.
Daily 11:35-12:25

420-421 Archeological Techniques (3-3)  R. Green
Archeological survey and excavation; daily field trips, mapping, photography, recording. Laboratory analysis and evaluation of field data; preservation and restoration of artifacts. Preparation of materials for publication. Pre: 210 or equivalent or consent of instructor.
Hrs. arr.

450 Regional Cultures of Oceania, Hawaii (3)  R. Heighton
Historical problems and regional developments in ecology, social structure, world view, and other aspects of indigenous cultures. Pre: 200, 250, or consent of instructor.
Daily 7:20-8:35
ARCHITECTURE (Arch)

400 Special Projects in Architecture (arr.)

Intensive and specialized work at an advanced level in fields of special interests of visiting staff. Credit cannot count toward major requirements. Pre: advanced standing and consent of instructor.

Hrs. arr.

ART (Art)

Except as noted, completion of introductory studio courses Art 113, 114, 115, 116, and Art 101 is the prerequisite to all studio courses numbered 200 and above. Art 101 is the prerequisite to all art history courses but other appropriate preparation may be substituted with the consent of the instructor.

The department may retain any student work for departmental use.

101 Introduction to the Visual Arts (3) M. Turnbull

The nature of visual art and its expressions in various forms. Lectures, demonstrations.

Daily 8:45-10:00

105 Elementary Studio—Ceramics (3) S. Fletcher, M. Takata

(4 sections)

Studio experience mainly for non-majors. Lectures and projects. Credit cannot count towards major requirements in Art.

Daily (1) 7:20-10:00 (Fletcher) (3) 8:45-11:25 Farrington High School (Takata)
(2) 10:10-12:50 (Fletcher) (4) 1:10-3:50 Farrington High School (Takata)

106 Elementary Studio—Sculpture (3) H. Okino

Studio experience mainly for non-majors. Lectures and projects. Credit cannot count towards major requirements in Art.

Daily 1:10-3:50

108 Elementary Studio—Drawing and Painting (3) R. Davidson, K. Bushnell

(2 sections)

Studio experience mainly for non-majors. Lectures and projects. Credit cannot count towards major requirements in Art.

Daily (1) 7:20-10:00 (Davidson) (2) 10:10-12:50 (Bushnell)

113 Introductory Studio “A” (3) J. Wiig

Emphasis on perception: visual responses to nature; materials, techniques, modes of representation. Problems in two and three dimensions involving photography, drawing, painting, sculpture and construction.

Daily 10:10-12:50

114 Introductory Studio “B” (3) H. Gilbert

Emphasis on light: environmental; general intensity; value range; sources; chiaroscuro; pattern; principles of color. Problems in two and three dimensions involving drawing, painting, sculpture, design.

Daily 10:10-12:50

115 Introductory Studio “C” (3) Z. Katz

Emphasis on space: environmental; actual and illusionary; changing spatial systems and space modifiers. Problems in two and three dimensions involving drawing, painting, sculpture, design.

Daily 10:10-12:50
116 Introductory Studio “D” (3) J. Wisnosky
Emphasis on time, motion, systems: visual kinetics sequence, rhythm, order and systems. Problems in two and three dimensions involving drawing, painting, sculpture, design.
Daily 10:10-12:50

207 Photography A (3) F. Salmo
Camera as tool of expression and photography as basic art form. Student required to have own camera.
Daily 7:20-10:00

208 Photography B (3) F. Salmo
Development of form in photography. Pre: 207.
Daily 10:10-12:50

213 Figure Drawing (3) S. Kimura, K. Bushnell
(2 sections)
Intensive drawing from human figure. May be repeated.
Daily (1) 7:20-10:00 (Bushnell) (2) 10:10-12:50 (Kimura)

217 Printmaking (3) J. Wisnosky, R. Davidson
(2 sections)
Technical controls; development of concepts appropriate to printmaking. May be repeated.
Daily (1) 7:20-10:00 (Wisnosky) (2) 10:10-12:50 (Davidson)

223 Painting “A” (3) S. Kimura
Painting from studio and outdoor subject matter. Elements of pictorial style.
Daily 1:10-3:20

230 Textile Design (3) M. Havaas
Daily 7:20-10:00

238 Weaving (3) J. Williams
(2 sections)
Creative process of weaving. Warping and threading of simple hand looms and multiple harness looms. Seminars.
Daily (1) 7:20-10:00 (2) 10:10-12:50

243 Ceramics A (3) S. Hayase
Introduction to ceramic forms using hand building and wheel throwing techniques. Introduction to glazing techniques and surface treatment. Seminars.
Daily 1:10-3:50

244 Ceramics B (3) C. Horan, S. Pleyte
(2 sections)
Daily (1) 7:20-10:00 (Pleyte) (2) 10:10-12:50 (Horan)

253 Sculpture (3) M. Sato
Study of form and structure, using variety of materials and techniques. Seminars.
Daily 7:20-10:00

254 Intermediate Sculpture (3) M. Sato
Daily 10:10-12:50
265  Advanced Visual Design (3)  
K. Kingrey  
Investigation into processes of visualization, its expression and control. Seminars. May be repeated.  
Daily 10:10–12:50

266  Advanced Visual Design (3)  
W. Anderson  
Design and communication. Projects closely bound to idiom and problems of our time, system, grid, module, computer, symbol. Pre: 265.  
Daily 10:10–12:50

270  Aspects of European and American Art (3)  
J. Scott  
Major developments in arts of Europe and America.  
Daily 7:20–8:35

280  Aspects of Asian Art (3)  
J. Caswell  
Major developments in arts of Asia.  
Daily 8:45–10:00

317  Advanced Printmaking (3)  
J. Wisnosky  
Independent projects; advanced studio practice. Seminars. Pre: two semesters of 217. May be repeated.  
Daily 7:20–10:00

330  Advanced Textile Design (3)  
M. Havaas  
Daily 10:10–12:50

361  Typography (3)  
W. Anderson  
Development of letter form in calligraphy and typography.  
Daily 7:20–10:00

362  Letter Forms (3)  
K. Kingrey  
Design and communication. The letter as visual symbol and element in design organization. Pre: 361.  
Daily 7:20–10:00

376  Modern Art (3)  
J. Scott  
Sculpture and painting of Europe and America in 19th and 20th centuries. Pre: 270.  
Daily 11:35–12:50

385  Art of China (3)  
J. Caswell  
Daily 10:10–11:25

391  Art of South Asia (3)  
P. Neogy  
Major developments in arts of South Asia, West Asian context and growth of Southeast Asian art. Pre: 280.  
Daily 1:10–2:25

617  Printmaking (3)  
J. Wisnosky  
Individual problems in intaglio, relief and planographic processes. Seminars. Pre: consent of chairman and instructor. May be repeated.  
Daily 7:20–10:00

630  Textile Design (3)  
M. Havaas  
Individual problems in areas of specific interest within textile field. Seminars. Pre: consent of chairman and instructor. May be repeated.  
Daily 10:10–12:50
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Description</th>
<th>Prerequisites/Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>646</td>
<td>Ceramics (3)</td>
<td>C. Horan</td>
<td>3</td>
<td>Individual problems in advanced ceramics using hand building techniques. Seminars. Pre: consent of chairman and instructor. May be repeated. Daily 7:20–10:00</td>
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<tr>
<td>699</td>
<td>Directed Work (arr.)</td>
<td>Staff</td>
<td></td>
<td>Pre: consent of instructor and chairman. Hrs. arr.</td>
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**Asian and Pacific Languages (AP)**

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Credits</th>
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<th>Prerequisites/Notes</th>
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</thead>
<tbody>
<tr>
<td>690</td>
<td>Directed Reading (arr.)</td>
<td>Staff</td>
<td></td>
<td>Directed reading of advanced text written in one of the Asian and Pacific languages. Pre: consent of instructor. Hrs. arr.</td>
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**Botany (Bot)**

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<tr>
<th>Course Code</th>
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<th>Description</th>
<th>Prerequisites/Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>105</td>
<td>Ethnobotany (3)</td>
<td>Chock</td>
<td>3</td>
<td>Plants and their influence upon culture of Hawaii and Pacific; uses of cultivated and wild plants. Daily 8:45–10:00</td>
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<tr>
<td>160</td>
<td>Identification of Tropical Plants (2)</td>
<td>Chock</td>
<td>2</td>
<td>Non-technical course in identification of common plants of tropics. Not open to students who have had 360; not credited for botany major. Daily (1) 10:10–11:00 (2) 11:35–12:25</td>
<td></td>
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<tr>
<td>181</td>
<td>Plant Life of the Sea (4)</td>
<td>Staff</td>
<td>4</td>
<td>The kinds of marine plants, the algae and seaweeds, where they grow, and the part they play in the productivity of the sea. Pre: an introductory college biology course. Sea-shore trips. Daily 7:45–8:30 Lab (1) 8:45–9:45 Lab (2) 10:10–11:10</td>
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<tr>
<td>399</td>
<td>Botanical Problems (arr.)</td>
<td>Staff</td>
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<tr>
<td>699</td>
<td>Directed Research (arr.)</td>
<td>Staff</td>
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<tr>
<td>799</td>
<td>Directed Research (arr.)</td>
<td>Staff</td>
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**Business Administration**

**Accounting (Acc)**

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Prerequisites/Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>201</td>
<td>Elementary Accounting (3)</td>
<td>J. Norem</td>
<td>3</td>
<td>Theory and practice of income determination and asset valuation. Preparation and analysis of statements; uses for decision making. Pre: sophomore standing. MWF (1) 7:45–9:30 Laboratory (1) and (2) TTh 7:45–9:30 MWF (2) 9:40–11:25 Laboratory (1) and (2) TTh 9:40–11:25</td>
<td></td>
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</tbody>
</table>
202 Elementary Accounting (3)  
Staff
Theory and practice of income determination and asset valuation. Preparation and analysis of statements; uses for decision making. Pre: 201.
MWF 7:45-9:30   Laboratory (1) and (2) TTh 7:45-9:30

301 Intermediate Accounting (3)  
C. Spencer
Daily 11:35-12:50

315 Cost Accounting (3)  
S. Lee
Cost determination and analysis as a tool of management in such areas as pricing, make, rent or buy decisions. Job order, process, direct and standard costs. Pre: 202.
Daily 7:20-8:35

325 Income Tax Problems (3)  
C. Spencer
Daily 8:45-10:00

Business Analysis and Statistics (BAS)

111 Applied Mathematics (3)  
Pickett
Application of mathematical operations to problems in business and economics; linear equations; progressions; theory of sets and functions; elementary matrix notation; differential and integral calculus (including partial differentiation, maxima and minima, and Lagrange multiplier techniques). Pre: Math 134.
Daily 10:10-11:25

301 Business Statistics (3)  
Congdon
(2 sections)
Principles of statistical inference including frequency distribution, averages, variation, testing hypotheses, estimation of population mean, index numbers, time series, correlation, probability, sampling, chi square and F distribution, analysis of variance. Utilization of statistical data as an aid to managerial decisions.
Daily (1) 7:20-8:35   (2) 10:10-11:25

302 Business Statistics (3)  
Kim
Principles of statistical inference including frequency distribution, averages, variation, testing hypotheses, estimation of population mean, index numbers, time series, correlation, probability, sampling, chi square and F distribution, analysis of variance. Utilization of statistical data as an aid to managerial decisions.
Daily 8:45-10:00

321 Introduction to Quantitative Analysis (3)  
Kim
Tools and techniques for elementary operations research studies; introductory analysis of matrices, determinants and vector analysis for input-output, linear programming, and the theory of games. Pre: 111, Math 134.
Daily 7:20-8:35

Business Economics (BEc)
Economics 150 is prerequisite to all other courses.

303 Money, Credit and the Capital Market (3)  
Seo
Nature and functions of money, debt and credit, and liquidity; financial institutions and money market analysis; fund flow analysis.
Daily 7:20-8:35
341 Managerial Economics I (3) Pickett
Demand analysis; production analysis relating to factors and to products; various forms of imperfect competition; demand creation and selling costs; multiproduct output, technological change; problems of uncertainty. Pre: Math 134, BAS 111.
Daily 8:45-10:00

342 Managerial Economics II (3) Seo
Working concepts and case studies relating to demand analysis and production analysis; problems of demand creation, multifactors and multiproducts, technological change; cases involving working capital, financing and capital budgeting; input-output analysis and programming techniques. Pre: 341.
Daily 10:10-11:25

375 Business Enterprise and Public Policies (3) Ige
Study of interrelations between business and government. Special attention to analysis of public policies affecting business management: regulating monopoly and competition; businesses affected with public interest; use of subsidies to promote public purposes; use of government financing to regulate business.
Daily 8:45-10:00

Finance (Fin)

300 Business Finance (3) J. Trine
Daily 10:10-11:25

Management (Mgt)

300 Principles of Management (3) Bailey
Basic management functions of planning, controlling, organizing, staffing, directing; emphasis on human factors and quantitative analysis in developing a sound philosophy of management; critical evaluation of current practices in business firms.
Daily 10:10-11:25

321 Operations Management I (3) Staff
Planning for effective office and manufacturing operations: historical development, human factors, methods analysis, work measurement, location, layout, machines and equipment, and records management.
Daily 8:45-10:00

322 Operations Management II (3) Staff
Control techniques for office and manufacturing operations: inventory and production planning and control, inspection and statistical quality control, computers and automation. Pre: 321.
Daily 10:10-11:25

341 Human Factors in Management (3) Bailey
Human relations in business; contributions of sociology and psychology to the management process and to an understanding of individual behavior in organizations.
Daily 8:45-10:00

345 Business Policy (3) Staff
Case studies in assessing alternative risks in solving policy problems; an interdisciplinary approach applying and integrating many of the subjects in the College of Business Administration. Pre: senior standing.
Daily 8:45-10:00
Marketing (Mkt)

300 Principles of Marketing (3)  
Stellmacher  
Fundamental concepts and problems of marketing within the present economic, legal, and social environments; consumer analysis, functional analysis, and marketing institutions.  
Daily 8:45-10:00

315 Marketing Management (3)  
Stellmacher  
Analysis and solution of problems involving pricing, distribution, product strategy, promotion, and marketing research from the management point of view. Economic and social responsibilities of the marketing function are emphasized.  
Daily 10:10-11:25

330 Advertising Management (3)  
Jacobs  
Advertising decision making, advertising’s role in the marketing mix, primary demand stimulation, selective demand stimulation, building complete programs, and advertising agency relationships.  
Daily 10:10-11:25

340 Retailing Management (3)  
Jacobs  
Principles, functions, and analysis of problems in retailing: location and layout; merchandise planning, buying, and selling; organization; expense analysis and control; coordination of store activities.  
Daily 8:45-10:00

GRADUATE COURSES IN BUSINESS ADMINISTRATION

Bus 610 Economic Analysis for Business (3)  
T. Ige  
Economic analysis and background of the business firm, economic decisions, and economic environment of business.  
TTh 6:15-9:35 p.m.

Bus 620 Accounting (3)  
Staff  
Introduction of financial and managerial accounting with emphasis on uses of accounting information in the planning and control of business enterprise by decision-maker.  
MW 6:15-9:35 p.m.

Bus 625 Administration (3)  
J. Bailey  
Development of administrative theory and practices; analysis of the administrative process as an integrated whole, evaluation of current trends and problems.  
TTh 6:15-9:35 p.m.

Bus 635 Marketing (3)  
R. Hooks  
Analysis of the fundamental problems in marketing management and modern methods of attacking them. Emphasis is upon strategy, decision-making, and the relationship of the firm to its customers.  
TTh 6:15-9:35 p.m.

Bus 640 Personnel and Industrial Relations (3)  
K. Davis  
Analysis and critical evaluation of those issues, policies, and trends in personnel and labor relations which are of concern to management.  
TTh 6:15-9:35 p.m.

Acc 761 Advanced Cost and Controllership (3)  
S. Lee  
Specialized cost accounting systems; uses and interpretations by management. Controllership function in business organization.  
MW 6:15-9:35 p.m.
RE 750  Real Estate (3)  D. Bell
Application of business techniques to real property resources.
MW 6:15–9:35 p.m.

The two courses listed below will be offered June 16–Sept. 5.

Bus 745  Business Policy (3)  Staff
Analysis of comprehensive business problems to provide an integration of learning
through the resolution of policy issues and through practice in administrative decision-making.
TTh 6:15–7:50 p.m.

Mgt 720  Organization Theory and Practice (3)  Staff
Evolution of organization theory and practice with major emphasis on contemporary organizational problems, issues and developments.
TTh 8:00–9:35 p.m.

TRAVEL INDUSTRY MANAGEMENT (TIM)

321  Tourism Principles I (3)  (Study Course to Europe)  R. Lascelles
Study and application of basic components of tourism. Includes philosophy and
promotion of tourism, travel counseling, use and evaluation of publicity media,
development of tourism at regional, national, international levels.
June 22–August 23

Real Estate (RE)

300  Real Estate Fundamentals (3)  D. Bell
Principles of real estate for customer, home owner, business, real estate law, brokerage, management, appraisal, finance.
Daily 8:45–10:00

Transportation (Trans)

351  Economics of Transportation (3)  H. Bess
Development of major transportation systems and their marketing function in
American economy as integral part of process of physical distribution. Pre: Econ
151 or BEc 341.
Daily 8:45–10:00

CHEMISTRY (Chem)

114  General Chemistry (3)  Staff
Fundamental laws, principles, methods. Pre: 113. (Continuation of 113).
Daily 8:30–10:00

116  General Chemistry Laboratory (1)  Staff
Experiments illustrating fundamental principles of chemistry. Pre: 115, credit or registration in 114.
Laboratory TTh 1:00–5:00

133  Elementary Quantitative Analysis (2)  Staff
Beginning gravimetric and volumetric analysis. Pre: 114–116 or 117, 118.
Daily 11:35–12:25
134 Elementary Quantitative Analysis Laboratory (2)  
Gravimetric and volumetric analysis. Pre: credit or registration in 133.  
Laboratory (1) Daily 8:00-11:30  (2) Daily 1:30-5:00

243 Organic Chemistry (3)  
Carbon compounds. Topics include molecular structure, stereochemistry, nuclear magnetic resonance, reactions and methods of preparation of principal classes of organic compounds. Pre: 114, 116 or 117, 118.  
Daily 8:30-10:00

245 Organic Chemistry Laboratory (1)  
Laboratory MWF 1:00-5:00

399 Directed Research (arr.)  
Pre: consent of department chairman.  
Hrs. arr.

799 Directed Research (arr.)  
Pre: consent of department chairman.  
Hrs. arr.

CHINESE (Chin)

111 Intensive Elementary Chinese (6)  
(2 sections)  
Intensive course equivalent to Elementary Chinese of academic year. Includes all four skills: listening, speaking, reading, writing. In addition to 25 hours of class work a week for 6 weeks, two periods of laboratory drill daily required. Pre: consent of instructor.  
Daily (1) 7:20-10:00; 1:35-3:25 plus laboratory  
(2) 7:20-10:00; 1:35-3:25 plus laboratory

201 Intermediate Chinese (4)  
Continuation of 101-102. Language lab practice required daily.  
Daily 9:10-11:25 plus laboratory

301 Third-Level Chinese (3)  
Emphasis on vocabulary building and extended mastery of sentence structures of modern Chinese through reading and related conversation. Pre: 202 or equivalent.  
Daily 8:45-10:00 plus laboratory

303 Accelerated Third-Level Chinese (6)  
In one semester content of 301-302 covered. Pre: consent of instructor.  
Daily 8:45-10:00; 10:10-11:25 plus laboratory

361 Chinese Literature in Translation—Traditional (3)  
L. Winters  
Historical survey from earliest times to 1842, with emphasis on analysis. Knowledge of Chinese not required. Pre: two semesters of literature in English department.  
Daily 1:10-2:25

401 Fourth-Level Chinese (3)  
Extensive reading with emphasis on academic topics. Pre: 302 or 303.  
Daily 10:10-11:25 plus laboratory

435 Introductory Classical Chinese (3)  
Analysis of basic structural patterns in classical Chinese through selected readings in various texts. Pre: 432 or equivalent.  
Daily 2:35-3:50
451  Structure of Chinese (3)  K. Them
   Introductory study of phonology, morphology, syntax of Mandarin Chinese including some discussion of usage and linguistic geography. Pre: 202 or equivalent.
   Daily 1:10–2:25

617  Traditional Chinese Fiction (3)  C. Birch
   Study of major novels of Yuan, Ming, Ch'ing periods. Pre: 302, 436 or equivalent.
   Daily 11:35–12:50

750  Research Seminar in Chinese (3)  C. Birch
   Specialization in literature. Pre: consent of instructor. May be repeated.
   Daily 2:35–3:50

**DRAMA AND THEATRE (Drama)**

160  Introduction to Drama and Theatre (3)  J. R. Brandon
   Representative plays studied as illustrative of changing forms in the theatre and dramatic literature.
   Daily 8:45–10:00

250  Theatre Workshop (3)  O. W. Schaub
   Lectures and supervised work in theatrical production, coordinated with productions of the University Summer Theatre; for the general student as well as drama majors and participants in the summer plays.
   Daily 2:00–5:00

299  Theatre Practice: Makeup (3)  G. Cannon
   Lectures and supervised work. Term paper required.
   Daily 8:45–10:00

321  Acting (3)  E. S. MacQueen
   Basic techniques. In addition to work in course, students must be available for casting in summer productions.
   Daily 10:10–11:25

322  Acting (3)  G. Cannon
   Individual exercises and group rehearsals. In addition to work in course, students must be available for casting in summer productions. Pre: 321 or the equivalent.
   Daily 10:10–11:25

370  Creative Dramatics (3)  D. H. Kaya
   Intensive study of dramatic activities for children and young people; designed for teachers, group workers, recreation majors, and others dealing with children.
   Daily 8:45–10:00

372  Drama in Performance (3)  E. S. MacQueen
   Study of plays as scripts for performance.
   Daily 11:35–12:20

381  Beginning Dance Techniques (3)  C. Wolz
   Training in modern dance and stage movement. Pre: consent of instructor.
   Daily 8:45–10:00

382  Advanced Dance Techniques (3)  Staff
   Development of flexibility, control, rhythm, and expressiveness. Pre: consent of instructor.
   Daily 1:10–2:25
384 Ballet Technique (3)  
Y. Sasa  
(2 sections)  
Training in the standard vocabulary of movement of classical ballet.  
Daily (1) 10:10-11:25 (Beginning)  
Daily (2) 11:35-12:50 (Intermediate)

464 Oriental Drama and Theatre (3)  
J. R. Brandon  
Principal forms of Oriental drama and manner of production in the theatre. Pre: consent of instructor.  
Daily 11:35-12:50

476 Puppetry (3)  
D. H. Kaya  
Survey of history and scope of puppetry. Construction and presentation of puppets for adult and child audiences.  
Daily 11:35-12:50

570 The Japanese Theatre (3)  
B. Ortolani  
Survey of the principal forms—Noh, the doll theatre, Kabuki, and modern drama.  
Daily 8:45-10:00

660 Theories of the Theatre (3)  
B. Ortolani  
Theories of production, from Aristotle to Brecht.  
Daily 10:10-11:25

**DUTCH (Dutch)**

311-312 Reading, Comprehension, and Speaking Skills (6)  
Staff  
Introduction to modern Dutch designed for those students who wish to study a second foreign language. Reading, grammar, with some conversation and laboratory drill. Cannot be used to fulfill a language requirement.  
Daily 8:45-10:00; 10:10-11:25

**ECONOMICS (Econ)**

120 Introduction to Economics (3)  
Abudu  
One-semester course for non-majors. Provides general understanding of functioning of economic systems, including various approaches to organization of production and allocation of resources, and of policies designed to achieve national economic goals.  
Daily 8:45-10:00

150 Principles of Economics (3)  
Ashby  
Analysis of functioning of economic systems with emphasis on forces determining levels and changes of national income and employment. Describes basic economic institutions, e.g., markets, money, banks, labor organizations, corporations.  
Daily 8:45-10:00

151 Principles of Economics (3)  
Lim  
Analysis of how commodity and factor prices are determined. Discusses policies for efficient allocation of scarce resources. Required of all economics majors.  
Daily 11:35-12:50

300 Intermediate Economic Theory: National Income (3)  
Staff  
Concepts; determination of income, employment, price levels; effects of fiscal, monetary, other policies. Pre: 150.  
Daily 11:35-12:50
301 Intermediate Economic Theory: Price Theory (3) Psacharopoulos
Price determination and resource allocation under competition, monopoly, oligopoly, monopolistic competition. Theories of demand, cost, partial, general equilibrium. Pre: 151.
Daily 8:45–10:00

310 Economic Development (3) Staff
Study of characteristics of underdeveloped economies, theories of economic growth, strategies of economic development, and investment criteria. Pre: 150, 151 or consent of instructor.
Daily 8:45–10:00

321 Elementary Statistics (3) Tawil
Basic elements of statistics, with emphasis on application: graphic presentation, logarithmic scales, rates and ratios, time series analysis, index numbers, regression and correlation analysis.
Daily 10:10–11:25

340 Money & Banking (3) Lefton
Nature and role of money; development of national and international monetary standards; role of commercial banking and financial intermediaries; development and function of central banking. Pre: 150.
Daily 10:10–11:25

400 Growth and Fluctuations (3) Campbell
TTh 1:10–4:10

405 Comparative Economic Systems (3) Abudu
TTh 1:10–4:10

412 Economic Development of U.S. (3) Staff
Emphasizes period since World War I. Consideration of changing patterns of investment, consumption and employment. Pre: 150, 151.
MW 1:10–4:10

420 Mathematical Economics (3) Staff
Review and application of mathematical techniques in economic analysis: differentiation, integration, differential equations, difference equations and linear programming. Pre: 300, 301, and Math 205 (calculus).
Daily 8:45–10:00

430 Labor Economics (3) Staff
Economic analysis applied to labor market; wages, hours, conditions of work, unemployment, etc. Pre: 150, 151.
Daily 11:35–12:50

450 Public Finance (3) Pollock
Considers governmental expenditures, revenues and debt, both descriptively and theoretically. Fiscal policy considered, as are budgeting and tax administration. Pre: 300, 301.
MW 1:10–4:10
461 International Finance (3)  
Institutional and theoretical aspects of international financing: balance of payments, exchange rates, capital movements, and multilateral equilibrium in world money market. Pre: 300, 460.  
Daily 8:45–10:10

600 Macroeconomic Theory (3)  
Keynesian and post-Keynesian theories of aggregative economics with special attention to factors determining levels of employment, prices, real income. Stabilization policies. Pre: 300.  
TTh 1:10–4:10

660 International Trade Theory (3)  
Modern development in national income theory and welfare economics with relation to international trade. Pre: 460, 462, or consent of instructor.  
MW 1:10–4:10

EDUCATION

Curriculum and Instruction (Ed CI)

The following courses have as prerequisite enrollment in the College of Education as classified student or permission of the department chairman: 312–326.

312(5) Foundations in Curriculum and Instruction: Elementary Education (3)  
Daily 8:45–10:00

312(10) Foundations in Curriculum and Instruction: Secondary Education (3)  
Daily 8:45–10:00

319 Children's Literature (2)  
Acquaintance with wide range of children's books; criteria for judging literature on basis of needs and interests. Pre: 312 or concurrent registration.  
Daily (1) 7:45–8:35 (Jenkins) (2) 9:10–10:00 (Wheeler)

320 Language Arts, Elementary (2)  
Modern approach to teaching of language arts—reading, oral, written expression. Pre: 312 or concurrent registration.  
Daily 11:35–12:25

321 Reading, Elementary (2)  
Survey of reading process: development of reading readiness, word recognition, comprehension, reading rate, vocabulary, reading interests, reading in content areas. Selection and use of reading materials, evaluation and appraisal of reading progress.  
Daily (1) 9:10–10:00 (Gillespie) (2) 10:10–11:00 (Wheeler)

322 Social Studies, Elementary (2)  
Major purposes: to point out special contributions of social studies to elementary curriculum; to aid students in developing sound instructional programs and procedures in elementary social studies. Pre: 312 or concurrent registration.  
Daily 10:10–11:00
323 Science, Elementary (2) Allen
Science education in elementary school; methods and materials; laboratory activities selected from new science curricula. Pre: 312 or concurrent registration.
TTh Lec 10:10–11:00 MWF Lab 8:45–10:25

324 Mathematics, Elementary (2)
Purposes, procedures, scope, and organization in developing underlying concepts of elementary mathematics; analysis of new elementary mathematics programs; techniques, relative merits, roles of inductive and deductive approaches to new ideas. Pre: 312 or concurrent registration; Math 111.
Daily 7:45–8:35

326 Creative Art, Elementary (2) (2 sections)
Understanding scope and importance of art in elementary school curriculum, creative use of art media through laboratory experiences. Pre: 312 or concurrent registration; Art 101.
Daily (1) 9:10–10:50 (2) 11:10–12:50

439 The Business Education Curriculum (9) Morris
Study of philosophy, principles, development of business education in secondary schools. Pre: 348 or 349 or consent of instructor.
Daily 10:10–11:25

441 Education of the Slow Learners (9)
Characteristics and educational provisions for slow learning children. (Student must enroll in both 441 and 442.)
Daily 8:45–10:00

442 Curriculum Development and Instruction for the Slow Learners (3)
Development of curricula and use of instructional materials for teaching slow learners in grades K-12. (Student must enroll in both 442 and 441.)
Daily 10:10–11:25

460 Distributive Education (9) Morris
Principles, materials and methods of teaching distributive education subjects.
Daily 1:10–2:25

497 Economic Education: Theory and Practice (3)
For teachers of social studies K–12. Examination of economy with special emphasis on those areas which pertain to social studies curriculum. Films, filmstrips, simulations, and most recent resource material will be examined. Pre: consent of instructor.
Daily 8:00–9:15 McKinley High School

520(5) Supervision of Student Teaching: Elementary Education (5) S. Fujita
Principles and methods; role of supervisor; human relations in supervision of student teaching. Pre: teaching experience; consent of instructor.
Daily 8:45–10:00

520(10) Supervision of Student Teaching: Secondary Education (10) D. Noda
Principles and methods; role of supervisor; human relations in supervision of student teaching. Pre: teaching experience; consent of instructor.
Daily 8:45–10:00

527 Methods and Materials for the Study of Hawaii (9) Hazama
Course on State of Hawaii organized to have island teachers study content, materials, and activities that may be used particularly in grades 4-7 in Hawaii schools. Pre: 312 or concurrent registration or teaching experience; 322.
Daily 10:10–11:25
540(4) Practicum in Curriculum Development: Foreign Language (3)  
E. Sato  
Designed for teachers-in-service to upgrade subject matter and develop new teaching methods and materials for instruction in courses of study K–12. Development of curriculum materials and methods by participating teachers. Pre: related undergraduate methods course; teaching experience.  
MWF 10:10–12:15

540(10) Practicum in Curriculum Development: Social Studies (3)  
F. Brown, Olmo  
(3 sections)  
Designed for teachers-in-service to upgrade subject matter and develop new teaching methods and materials for instruction in courses of study K–12. Development of curriculum materials and methods by participating teachers. Pre: related undergraduate methods course; teaching experience.  
Daily (1) 8:45–10:00 (Olmo)  
(3) 11:00–12:15 Aiea High School (Brown)  
(2) 10:10–11:25 (Olmo)

540(12) Practicum in Curriculum Development: Reading (3)  
M. Schantz, Uehara  
(2 sections)  
Designed for teachers-in-service to upgrade subject matter and develop new teaching methods and materials for instruction in courses of study K–12. Development of curriculum materials and methods by participating teachers. Pre: related undergraduate methods course; teaching experience.  
(Special enrollment, State Department of Education)  
Daily (1) 10:45–12:00 (Uehara) off campus  
(2) 10:45–12:00 (Schantz) off campus

595 Aerospace Education Workshop (3)  
H. Simpson  
Introduction to aerospace science and technology and social, economic, and political implications. Designed for all K–12 teachers, administrators, and curriculum specialists. Specialized background in science not required. Participation by national and local leaders in aerospace and related fields. Laboratory experiences include demonstrations, field trips, and development of curriculum materials. Descriptive brochure sent on request. Fee for laboratory and materials is $15. Advanced registration required. Deadline is May 1, 1969.  
Daily 8:50–11:20 Kaimuki High School  
June 16–July 11

619 Children's Literature in the Elementary Curriculum (3)  
W. Jenkins  
Examination in depth of traditional and modern literature for children with emphasis upon genre, historical development, research, curriculum development. Pre: 319.  
Daily 8:45–10:00

620 Teaching Reading in the Elementary School (3)  
Gillespie  
Daily 11:35–12:50

621 Modern Language Arts Program, Elementary (3)  
W. Jenkins  
Critical examination of educational procedures in teaching of language arts; current research including that related to language deprivation and linguistic science. Pre: 320 and teaching experience.  
Daily 11:35–12:50

622 Elementary School Curriculum (3)  
H. Otto  
Theoretical foundations of curriculum development; curriculum research; critical examination of current practices in curriculum development for elementary school. Pre: 312 or equivalent; teaching experience.  
Daily 8:45–10:00
623  The Elementary Science Curriculum (3)  
Daily 7:20–8:35

624  The Elementary Mathematics Curriculum (3)  
Analysis of research relating to teaching and learning arithmetic, applying research findings to classroom procedures. Appraisal of recent curricular trends and critical examination of assumptions underlying proposed changes. Pre: 324 and teaching experience.  
Daily 10:10–11:25

625  The Elementary Social Studies Curriculum (3)  
Examination and evaluation of social science content, societal values, and research findings as basis for development and revision of social studies materials, texts, curriculum guides, and methodology. Pre: 322 and teaching experience.  
Daily 8:45–10:00

626  Art in Elementary Education (3)  
Principles of and problems in teaching art in elementary school; curriculum development and current approaches in art education; laboratory experiences in art media. Pre: 326, Art 101.  
Daily 7:20–9:00

636  Secondary School Curriculum (8)  
Principles and techniques of curriculum improvement at secondary school level. Pre: teaching experience.  
Daily (1) 7:20–8:35 (Martin)  (2) 8:45–10:00 (Alexander)

640(8)  Seminar in Teaching Fields: Reading (3)  
Study of trends, research, and problems of implementation in special areas of teaching. Pre: undergraduate special methods course in appropriate teaching field; teaching experience; consent of instructor.  
(Special limited enrollment, State Department of Education)  
Daily 8:45–10:00

646  Reading Difficulties (3)  
Causes, prevention, and correction. Evaluation and remedial practices useful to classroom teacher. Pre: course in teaching of reading.  
(Sec. 1—special limited enrollment, State Department of Education)  
Daily (1) 8:45–10:00 (Schantz)  (2) 8:45–10:00 (Smith)  (3) 10:10–11:25 (Smith)

657  Community College (3)  
Development of two-year comprehensive community college in U.S.; its emerging role in higher education. Functions, organization, curricular structure, achievement in relation to objectives, and crucial issues examined. Pre: consent of instructor.  
(Identical with Ed EF 657)  
Daily 7:20–8:35

699  Directed Research (Social Studies: Economic Education) (1)  
For selected junior and senior high school teachers only.  
Daily 9:30–10:45  McKinley High School
722 Seminar in Elementary Curriculum Foundations (3)  
E. Jenkins  
Advanced study in development and improvement of curriculum of elementary schools. Pre: 622; consent of instructor. May be repeated once for credit.  
Daily 10:10–11:25

733 Seminar in Curriculum, Secondary (3)  
Martin, Alexander  
(2 sections)  
Advanced study in development and improvement of curriculum of secondary schools. Required for Plan B M.Ed. candidates in their final semester or summer session. Pre: 636; consent of instructor. May be repeated once for credit.  
Daily (1) 10:10–11:25 (Martin)  (2) 11:35–12:50 (Alexander)

Educational Administration (Ed EA)

610 School-Community Relations (3)  
Crossley  
Application of principles, techniques, policies, organization of school-community information program. Pre: consent of instructor.  
Daily 8:45–10:00

620 School Finance (3)  
Jackson  
School revenues, apportionments, budgetary procedures, costs, and business management. Pre: consent of instructor.  
Daily 8:45–10:00

623 Administrative Problems in Physical Education (3)  
Chui  
Current problems and recent trends in conduct of physical education programs in educational settings. For administrators, teachers, and graduate students in physical education and related fields. Pre: HPE 423 or equivalent and consent of instructor.  
(Identical with HPE 623)  
Daily 8:45–10:00

640 Systems Analysis in Educational Administration (3)  
Yucker  
Designed for management personnel who wish to pursue modern ideas of system analysis and project management and the approaches which lead to effective planning, programming, and budgeting.  
Daily 7:20–8:35

660 School Plant (3)  
Cowger  
Problems and techniques in school plant planning, operation, and maintenance; working with other agencies and with classified personnel. Pre: consent of instructor.  
Daily 7:20–8:35

680 School Organization (3)  
Johnson  
Function of teacher in school administration; state organization of public education; Hawaii school law and State Department of Education regulations. Pre: teaching experience (may include student teaching) or consent of instructor.  
Daily 10:10–11:25

685 Educational Administration: Theory and Principles (3)  
Jackson  
Theory and principles of administration. Required for M.Ed. Pre: consent of instructor.  
Daily 11:35–12:50

699 Directed Reading and/or Research (arr.)  
Staff  
Individual reading and/or research. Pre: consent of instructor and department chairman.
700 Research Seminar in Educational Administration (3)  
Johnson  
Basic concepts of research in educational administration. Study and discussion of significant topics and problems; preparation and reporting of a scholarly paper. Required of Plan B M.Ed. candidates. Pre: consent of instructor.  
Daily 1:10–2:25

770 Seminar in School Supervision (3)  
Crossley  
Application of methods and tools of supervision; faculty meeting; classroom observation; conferences; evaluation. Pre: 670, teaching experience, or consent of instructor. May be repeated.  
Daily 10:10–11:25

780(1) Seminar in Educational Administration: Elementary (3)  
H. Otto  
Analysis of selected problems in school administration. Pre: 670, 680, 685 or consent of instructor. May be repeated.  
Daily 11:35–12:50

780(6) Seminar in Educational Administration: Community College (3)  
D. Smith  
Analysis of selected problems in school administration. Pre: 670, 680, 685 or consent of instructor. May be repeated.  
Daily 10:10–11:25

Educational Communications (Ed EC)  
Ed EC 314, its equivalent, or consent of department chairman is prerequisite to all other courses.

314 Audio-Visual Techniques (2)  
Wiley, Staff  
(4 sections)  
Nature and use of educational media as they relate to pupil needs in classroom learning situations. Identification, use, and evaluation of audio-visual instructional materials; application of known principles in educational media in classroom communications.  
Daily (1) 7:45–8:35 (3) 9:10–10:00  
(2) 7:45–8:35 (4) 9:10–10:00

510 Language Laboratory Learning Facilities (2)  
Theuma  
Survey of research and development underlying learning facilities. Laboratory purposes and relationship to classroom instruction and foreign language program objectives. Factors influencing the choice of laboratory equipment. Mandatory field experience: 2 hours daily lab training in Manoa campus foreign language laboratory under supervision to learn all phases of laboratory administration and operation. Pre: 314 or Ed CI 335 or consent of instructor.  
MWF 2:35–4:00

614 Audio-Visual Media Systems (3)  
Staff  
Study of educational communications principles and their practical relationship to new educational media; techniques for design and utilization of combinations of media, both projected and non-projected, audio and visual, leading toward achievement of instructional goals; investigation of new teaching strategies: systems analysis, self-instructional and interrelated techniques.  
Daily 10:10–11:25

625 Projection of Educational Film and Multimedia Presentations (3)  
G. Mendelson  
Planning and producing educational still and motion pictures and multimedia learning experiences; communication and aesthetic theories as they relate to planning and production. Emphasis on meeting curriculum goals through systematic development of film and multimedia presentations.  
Daily 8:45–10:00
560 Television in Education (3)  
Reed  
Research backgrounds; development and utilization of television in education including fundamentals of television production and teaching with emphasis on utilization of television in school.  
Daily 1:35–12:50  
T lab (1) 1:00–3:00  
Th lab (2) 1:00–3:00

570 Seminar in Organization and Administration of Media Programs (3)  
Kucera  
Current principles and practices in organization and administration of programs utilizing new learning media: audio-visual, automated learning, educational television, facilities for such purposes.  
Daily 11:35–12:50

**Educational Foundations (Ed EF)**

310 Foundations of American Education (3)  
Colwell, Kobayashi  
(2 sections)  
Contemporary educational theory and practice as related to major historical, philosophical, and social factors in American culture.  
Daily (1) 7:20–8:35 (Colwell)  
(2) 8:45–10:00 (Kobayashi)

409 Culturally and Economically Disadvantaged Pupil (3)  
Gibbs  
(2 sections)  
Survey of social and psychological factors related to the culturally and economically disadvantaged pupil and his education. Review of local resources and facilities to assist these pupils. Pre: consent of instructor. *(Identical with Ed EP 409)*  
Daily (1) 8:45–10:00  
(2) 11:35–12:50 (Gibbs)

445 Educational Sociology (3)  
Colwell  
Examination of development of theoretical and practical aspects of social structure and their relationship to education. Pre: 310 or 3 hrs. of sociology; consent of instructor.  
Daily 10:10–11:25

650 Historical Foundations of Western Education (3)  
Jaekel  
History of European thought and practice as basis for study of modern education.  
Daily 7:20–8:35

651 History of American Education (3)  
Jaekel  
Introduction to history of American educational thought from the 17th century to present.  
Daily 10:10–11:25

652 History of Education in Hawaii (3)  
Stueber  
From Cook's discovery to the present. Ways in which social and intellectual factors in the Islands' history influenced the development of the Islands' culture and a common language community. Major emphasis upon the role of public and private schools in these developments.  
Daily 8:45–10:00

657 Community College (3)  
D. Smith  
Development of two-year comprehensive community college in U. S.; its emerging role in higher education. Functions, organization, curricular structure, achievement in relation to objectives and crucial issues. Pre: consent of instructor. *(Identical with Ed CI 657)*  
Daily 7:20–8:35
660 Philosophy of Education (3)  Fierman, Kobayashi
(2 sections)
Philosophical considerations essential to theories of education. Pre: student teaching.
Daily (1) 8:45-10:00 (Fierman)  (2) 10:10-11:25 (Kobayashi)

683 Social Foundations of Education (3)  Fierman
Impact on education of major social trends and forces operating in American society; social change and education. Pre: consent of instructor.
Daily 10:10-11:25

768 Seminar in Problems in Education (2)  Gibbs
Study and discussion of significant topics and problems. Required of Plan B M.Ed. candidates in final semester or summer session. Pre: Ed EP 708.
Daily 10:10-11:25

Educational Psychology (Ed EP)
Ed EP 311 and 416 or their equivalents are prerequisites for all graduate courses in Educational Psychology.

200 Mental Retardation and Mental Health Work-Study Program (6)
Study, observation, and supervised field experience of the emotionally and socially maladjusted, the mentally ill, and the mentally retarded in community and institutional settings. (Enrollment limited to those students selected to participate in the Summer Work-Study Program in Mental Health and Related Areas.)

311 Psychological Foundations (9)  T. McIntosh, Niyekawa-Howard
(3 sections)
Principles of learning and individual differences; relationships of these factors to classroom experience. Pre: Psy 100.
Daily (1) 7:20- 8:35 (McIntosh)  (3) 10:10-11:25 (McIntosh)
(2) 8:45-10:00 (Niyekawa-Howard)

404 Education of Exceptional Children (3)  Takeguchi
Survey of characteristics of children who deviate from average in mental, sensory, physical, and social attributes; reviews adaptations made by schools to abilities and disabilities of exceptional children.
Daily 8:45-10:00

405 The Mentally Retarded (3)  Takeguchi
Review of the psychological, social, and vocational problems related to mentally retarded children and their families.
Daily 11:35-12:50

408 The Emotionally Disturbed Child (3)  Pate
(2 sections)
Study of behavioral characteristics, methods of identification and management of emotionally disturbed children in regular and special classes in public schools, private day schools, clinics, residential schools, and hospitals.
Daily (1) 8:45-10:00  (2) 11:35-12:50

409 Culturally and Economically Disadvantaged Pupil (3)  Gibbs
(2 sections)
Survey of social and psychological factors related to the culturally and economically disadvantaged pupil and his education. Review of local resources and facilities to assist these pupils. Pre: consent of instructor. (Identical with Ed EF 409)
Daily (1) 8:45-10:00  (2) 11:35-12:50 (Gibbs)
416 Tests and Measurements (3) Dunn-Rankin, Ryans
(2 sections)
Theory and techniques of measurement and evaluation in education, including supervised experience in instrument development and analysis.
Daily (1) 8:45–10:00 (Ryans) (2) 10:10–11:25 (Dunn-Rankin)

429 Introductory Statistics (3) G. Fujita
Introduction to statistical methods, with laboratory applications to educational and psychological data, especially scores on educational measurement devices and other indices of learning or behavioral change. Pre: one year of high school algebra or one college course in mathematics and consent of instructor; 311 and 416 desirable.
Daily 10:10–11:25

432 Human Motivation and Education (3) A. Ryan
Application of motivation theory and research to understanding and increasing human motivation for education. Pre: 311.
Daily 11:35–12:50

601 Guidance in the School (3) Westcott
Basic principles of guidance; consideration of techniques, organization, materials, resources.
Daily 7:20–8:35

602 Elementary School Guidance (3) Linden
Principles, techniques, and organization of guidance services in elementary school.
Daily 7:20–8:35

604 Occupational Information in Guidance (3)
Occupational research and survey techniques; trends, sources of materials, use of occupational information in vocational guidance. Pre: 601.
Daily 10:10–11:25

605 Problems of School Adjustment (3)
(2 sections)
Principles of behavior affecting human relationships in school, with emphasis upon application to actual situations.
Daily (1) 8:45–10:00 (2) 11:35–12:50

609 Tests and Inventories in Guidance (3) Linden
Daily 10:10–11:25

610 Counseling: Theory and Practice (3) Zwetschke
Theories and techniques of counseling and psychotherapy as preparation for practicum and field work. Pre: 416 or equivalent course in tests and measurements, 601 or equivalent course in guidance, consent of instructor.
Daily 8:45–10:00

629 Educational Statistics (3) Bhushan
Statistical inference including applications of parametric and nonparametric methods to educational problems. Pre: 429 or its equivalent.
Daily 8:45–10:00

672 Advanced Educational Psychology: Learning (3) Reid
Application of experimental evidence in learning upon major educational problems; analysis of research methods in classroom learning. Pre: consent of instructor.
Daily 10:10–11:25
673  Advanced Educational Psychology: Psycho-Social Development (3) Niyekawa-Howard
Research methods and findings involving classroom group structures, attitude and personality development, and psycholinguistic behavior. Pre: consent of instructor.
Daily 11:35–12:50

699  Directed Reading and/or Research (arr.) Staff
Individual reading and/or research. Pre: consent of instructor and department chairman.

701(3)  Seminar in Guidance: Counseling Theory (3) Wrenn
Current issues and problems. Pre: 8 credits in guidance courses; consent of instructor.
May be repeated for credit.
Daily 8:45–10:00

701(7)  Seminar in Guidance: Group Procedures (3)
Current issues and problems. Pre: 8 credits in guidance courses; consent of instructor.
May be repeated for credit.
Daily 8:45–10:00

701(8)  Seminar in Guidance: Philosophical and Social Issues in Guidance (3) Wrenn
Current issues and problems. Pre: 8 credits in guidance courses; consent of instructor.
May be repeated for credit.
Daily 10:10–11:25

702  Group Guidance (9) Zwetschke
Principles, practices, materials, and techniques used in group guidance in schools.
Pre: 601.
Daily 11:35–12:50

730  Computer Applications and Studies of Human Behavior (6) J. Ward
Applied regression analysis and computer usage in behavioral science with special reference to problems of concern to students and faculty in education, anthropology, sociology, and psychology.
Daily 8:00–11:00

Health & Physical Education (HPE)

Medical Clearance Requirement: For HPE courses numbered 101 through 163, 232 through 296, 333 through 357, and 433 through 434, a student is required to submit a medical clearance issued by the University of Hawaii Student Health Service no later than Friday, June 20, 1969. For the procedure to obtain this clearance, see p. 36.

103  Swimming: Beginning (1) Seichi, Gustuson
(4 sections)
Adjusting to and immersing in water, floating, sculling; correct arm stroke, leg kick, breathing techniques and their coordination.
Daily (1) 9:10–10:00 (Seichi) (2) 9:10–10:00 (Gustuson) (3) 10:10–11:00 (Seichi) (4) 10:10–11:00 (Gustuson)

104  Swimming: Intermediate (1) Seichi
Perfecting and integrating basic strokes with added emphasis on swimming for distance and speed.
Daily 11:10–12:00

107  Tennis: Beginning (1) Asato
(3 sections)
Rules, etiquette, grip, forehand and backhand strokes, serving, volleying; singles and doubles play.
Daily (1) 9:10–10:00 (2) 10:10–11:00 (3) 11:10–12:00
110 Golf: Beginning (I)  
H. Vasconcellos
(4 sections)
Rules, etiquette, grip, stance, drive, normal iron shots, approach shots, putting.
Daily (1) 7:45–8:35  (2) 9:10–10:00  (3) 10:10–11:00  (4) 11:10–12:00

111 Golf: Advanced (I)  
Seichi
Improving drive, fairway wood shots, long iron shots, control shots, trouble shots, putting, course management, competitive strategy, problems in rules. Green fees paid by student for play on course.
MW 1:35–3:40

124 Dances of Hawaii (I)  
Beamer, Kaina, M. Vasconcellos, Sharpe
(16 sections)
Background and fundamentals of the hula. Selected dances with and without instruments.
Daily (1) 7:45–8:35 (Beamer)  (9) 10:10–11:00 (Beamer)
(2) 7:45–8:35 (Kaina)  (10) 10:10–11:00 (Kaina)
(3) 7:45–8:35 (Vasconcellos)  (11) 10:10–11:00 (Vasconcellos)
(4) 7:45–8:35 (Sharpe)  (12) 10:10–11:00 (Sharpe)
(5) 9:10–10:00 (Beamer)  (13) 11:10–12:00 (Beamer)
(6) 9:10–10:00 (Kaina)  (14) 11:10–12:00 (Kaina)
(7) 9:10–10:00 (Vasconcellos)  (15) 11:10–12:00 (Vasconcellos)
(8) 9:10–10:00 (Sharpe)  (16) 11:10–12:00 (Sharpe)

154 Tumbling and Rebound Tumbling (I)  
Gustuson
Single and combination stunts on tumbling mats and trampoline, balancing stunts; techniques of spotting; safety procedures.
Daily 11:10–12:00

160 Judo (I)  
Kawasaki
(2 sections)
Rules, etiquette, method of falling and breaking the fall, simple throws and their counters, simple holds and breaking of such holds, randori. (Student must provide own gi.)
Daily (1) 10:10–11:00  (2) 11:10–12:00

162 Karate (I)  
Fajardo
(3 sections)
Rules, etiquette, basic stances, blocks, thrusts, kicks, ippon kumite, and selected kata. (Student must provide own gi.)
Daily (1) 7:45–8:35  (2) 9:10–10:00  (3) 10:10–11:00

163 T'ai Chi Ch'uan (I)  
T. Y. Pang
(2 sections)
Analytical and laboratory study of classic forms of T'ai Chi Ch'uan (advanced form of Kung Fu).
Daily (1) 7:45–8:35  (2) 9:10–10:00

190 Modern Health: Personal (I)  
Asato
Mental-emotional health, family-living, and scientific health information for personal hygienic living.
Daily 7:45–8:35

Courses numbered 201 and above are not open to lower division students.

231 Methods and Materials in Health Education (2)  
I. Ryan
Organization and content, methods and materials for health teaching in elementary and secondary schools. Pre: 201 or 202.
Daily 10:10–11:00
233 Physical Education: Elementary (3)  
Little  
(2 sections)  
Content and methods for physical education in elementary school, emphasizing selection, planning, teaching, and evaluation of movement exploration and physical activities.  
Daily (1) 8:45–10:00 (2) 10:10–11:25  

302 School’s Role in Community Health (2)  
I. Ryan  
Functional interrelationships between school and other community health organizations in solving community health problems. Pre: consent of instructor; 201 or 202 desirable.  
Daily 11:10–12:00  

454 Physiology in Physical Education (3)  
Bernauer  
Emphasis on physiological responses to exercise and physical training as related to strength, muscular endurance, and circulo-respiratory endurance. Primarily for physical education majors, but open to others with consent of instructor. Pre: one year of biology or equivalent.  
Daily 8:45–10:00  

574(2) Assessment of Physical Fitness: Secondary School (3)  
Bernauer  
Practicum for physical education teachers dealing with current methods and techniques by which physical fitness and related aspects of physical status are assessed. Pre: teaching experience and consent of instructor.  
Daily 10:10–11:25  

603 Scientific Foundations of Physical Education (3)  
Montoye  
Scientific laws and principles relevant to man’s physical and social environment as related specifically to physical fitness and human movement. Pre: 203, 453, 454, and 463, or consent of instructor.  
Daily 8:05–10:00  
June 16–July 11 (4 weeks)  

623 Administrative Problems in Physical Education (3)  
Chui  
Current problems and recent trends in conduct of physical education programs in educational settings. For administrators, teachers, and graduate students in physical education and related fields. Pre: 423 or equivalent and consent of instructor. (Identical with Ed EA 623)  
Daily 8:45–10:00  

ENGINEERING  

Civil Engineering (CE)  

270 Applied Mechanics I (3)  
Staff  
Equilibrium of particles, rigid bodies, frames and machines; vectors, centroids, friction and moments of inertia. Pre: Phys 170.  
Daily 8:45–10:00  

320 Fluid Mechanics I (3)  
Staff  
Properties of fluids, fluid statics, kinematics and kinetics; principles of momentum and energy; real fluid effects. Pre: 271 or Phys 310.  
Daily 10:10–11:25
Electrical Engineering (EE)

200 Electrical Science (3)  Staff
Introduction to electrical science, fields, circuits, and electronics. Pre: Phys 272, Math 231, and concurrent registration in Math 232.
Hrs. arr.

311 Circuit Theory (3)  Kinariwala
June 16–August 8
Hrs. arr.

General Engineering (GE)

61 Graphical Communication (1)  L. Drake
(2 sections)
Orthographic and pictorial instrument drawing and sketching, dimensioning, auxiliary and section views. Intended for engineering students who have not had one year of high school mechanical drawing.
Daily (1) 7:45–8:35 (2) 10:10–11:00

251 Digital Computer Programming (2)  L. Drake
Introduction to PL/1 language and application to engineering problems using IBM 360. Prerequisite or credit in Math 135 or consent of instructor. Not open to students with previous credit in PL/1.
Daily 9:10–10:00

Mechanical Engineering (ME)

311 Thermodynamics (3)  J. Chou, Staff
Basic laws; work, heat and the concept of entropy; perfect gases, mixtures; availability, irreversibility, and efficiency. Pre: Phys 170.
Daily (1) 8:45–10:00 (2) 8:45–10:00

371 Mechanics of Solids (3)  D. H. Kihara
Analysis of deformable bodies; stresses, strains, and criteria for yielding and fracture; torsion, bending, and buckling. Pre: CE 270(170).
Daily 10:10–11:25

ENGLISH (Eng)

100 Expository Writing (3)  Staff
(12 sections)
A study of the principal steps in effective exposition—discovering, interpreting, and evaluating data through observation and reading; deciding upon an appropriate organizational plan; choosing a voice and style suitable to the writer’s audience and the occasion for writing—accompanied by practice in the analysis of expository pieces by professional writers.
Daily (1) 7:20–8:35 (5) 8:45–10:00 (9) 10:10–11:25
(2) 7:20–8:35 (6) 8:45–10:00 (10) 11:35–12:50
(3) 7:20–8:35 (7) 10:10–11:25 (11) 11:35–12:50
(4) 8:45–10:00 (8) 10:10–11:25 (12) 11:35–12:50
102 Expository Writing (3) Staff
(8 sections)
Study and practice of argument and persuasion; assembling and organizing research materials; analysis and evaluation of one or two works of imaginative literature; introduction to study of prose style. Pre: 101 (102 in the Summer Session is not recommended for students who passed 101 with a grade of D, or who have taken 102 previously and received a grade of F).
Daily (1) 7:20–8:35 (5) 10:10–11:25
(2) 7:20–8:35 (6) 10:10–11:25
(3) 8:45–10:00 (7) 11:35–12:50
(4) 8:45–10:00 (8) 11:35–12:50

251 Major Works of British and American Literature (3) McManus, DeLuca, Fong
(3 sections)
From the Middle Ages to 1800; an introductory course for sophomores.
Daily (1) 7:20–8:35 (D. McManus) (2) 8:45–10:00 (D. DeLuca)
(3) 10:10–11:25 (Fong)

252 Major Works of British and American Literature (3) Simson, Hogan, Vaughn
(3 sections)
From 1800 to the present; an introductory course for sophomores.
Daily (1) 8:45–10:10 (G. Simson) (2) 10:10–11:25 (P. Hogan)
(3) 11:35–12:50 (S. Vaughn)

253 World Literature: To the Renaissance (9) Okada, Griffing, Canary
(3 sections)
Major works of classical, Oriental, European and English literature.
Daily (1) 7:20–8:35 (R. Okada) (2) 8:45–10:00 (A. Griffing)
(3) 10:10–11:25 (R. Canary)

254 World Literature: 1600 to the Present (3) Schlieman, Lynch, Summersgill
(3 sections)
Major works of classical, Oriental, European, American and English literature.
Daily (1) 8:45–10:00 (M. Lynch) (2) 10:10–11:25 (D. Schlieman)
(3) 11:35–12:50 (T. Summersgill)

255 Types of Literature (3) Durant, Kowalski, Stevick, Wenska
(4 sections)
Practical criticism in the major genres of European and American literature. Short story, novel, literary essay, introduction to poetry (narrative).
Daily (1) 7:20–8:35 (L. Kowalski) (2) 8:45–10:00 (R. Stevick)
(3) 10:10–11:25 (M. Durant) (4) 11:35–12:50 (W. Wenska)

256 Types of Literature (3) Breen, Topham, Wunsch, Uda
(4 sections)
Practical criticism in the major genres of European and American literature. Drama, biography, poetry.
Daily (1) 7:20–8:35 (N. Breen) (2) 8:45–10:00 (H. Topham)
(3) 10:10–11:25 (M. Wunsch) (4) 11:35–12:50 (L. Uda)

309 Written Communication (3) Lichty, McClear, Kennedy, Durant, Friedman
(6 sections)
Practice in informative, analytical, and persuasive writing. Open only to students in Business Administration and Home Economics. Pre: 102 and sophomore literature, or equivalent.
Daily (1) 7:20–8:35 (L. Lichty) (2) 7:20–8:35 (S. McClear)
(3) 8:45–10:00 (V. Kennedy) (4) 10:10–11:25 (S. McClear)
(5) 11:35–12:50 (M. Durant) (6) 11:35–12:50 (T. Friedman)
315 Advanced Expository Writing (3)  
Feldman, Lichty  
(2 sections)  
Writing of essays from logical and rhetorical principles, especially modes of definition, assertion, proof. Emphasis on clarity, coherence, style.  
Daily (1) 8:45-10:00 (R. Feldman)  (2) 10:10-11:25 (L. Lichty)

320 Introduction to Language (3)  
Mohr, Staff  
(2 sections)  
Examination of modern concepts of structure and use of language, with special reference to the English language.  
Daily (1) 7:20-8:35  (2) 10:10-11:25 (Mohr)

331 Introduction to Poetry (3)  
Teevan, Nelson, Sinclair  
(3 sections)  
Written and oral analysis of imagery, sound, language, form and structure of poems, leading to increased awareness of nature of poetry.  
Daily (1) 7:20-8:35 (M. Sinclair)  (2) 8:45-10:00 (F. Teevan)  (3) 10:10-11:25 (P. Nelson)

335 Backgrounds of World Literature (3)  
Cremer  
Most important sources of European literary themes and allusions, including the King James Bible and Western European myth and legend.  
Daily 8:45-10:00

336 Introduction to Literary Problems (3)  
Sinclair, Fujimura, Simson  
(3 sections)  
Critical evaluation of the genres of literature, of various modes of analysis, and of problems involved in literary perception.  
Daily (1) 8:45-10:00 (M. Sinclair)  (2) 10:10-11:25 (T. Fujimura)  (3) 11:35-12:50 (G. Simson)

401 Modern English Grammar (3)  
Mohr  
Survey of prestructural, structural, and generative-transformational descriptions of modern English grammar.  
Daily 8:45-10:00

402 History of the English Language (3)  
Wellein  
An introduction to the older stages of English and the processes by which Modern English has evolved from them. The course will consider such topics as: the ancestry of English; the history of English sounds, inflections, and syntax; the development of dialects; the sources of the vocabulary and the changes in meaning and usage the vocabulary has undergone.  
Daily 11:35-12:50

431 The English Novel to 1832 (3)  
Historical and critical study of development of English prose fiction during 18th and early 19th centuries with emphasis on rise of the realistic novel.  
Daily 11:35-12:50

433 20th-Century British Novel (3)  
Heine  
Daily 10:10-11:25

445 Shakespeare (3)  
Lowers  
Shakespeare's plays from the beginning to Hamlet.  
Daily 7:20-8:35

446 Shakespeare (3)  
Winters  
Shakespeare's plays from Hamlet through the last plays.  
Daily 11:35-12:50
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Time</th>
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<tbody>
<tr>
<td>453</td>
<td>16th-Century English Literature (3)</td>
<td>Lovers</td>
<td>Daily 10:10–11:25</td>
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<tr>
<td></td>
<td>Poetry and prose of the Tudor period, exclusive of the drama.</td>
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<td>458</td>
<td>18th-Century English Literature (3)</td>
<td>Fong</td>
<td>Daily 11:35–12:50</td>
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<td>Poetry, prose (exclusive of the novel), drama from 1740 to 1780, with emphasis on Johnson and his circle.</td>
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<td>463</td>
<td>Victorian Literature (3)</td>
<td>Buckley</td>
<td>Daily 8:45–10:00</td>
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<td>Poetry and prose exclusive of the novel from 1832–1870.</td>
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<tr>
<td>471</td>
<td>American Literature (3)</td>
<td>Canary</td>
<td>Daily 7:20–8:35</td>
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<td></td>
<td>A survey of American literature from the beginning to the Civil War.</td>
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<td>472</td>
<td>American Literature (3)</td>
<td>Feldman</td>
<td>Daily 11:35–12:50</td>
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<td></td>
<td>A survey of American literature from the Civil War to the present.</td>
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<td>476</td>
<td>20th-Century American Novel (3)</td>
<td>Levy, Summersgill</td>
<td>(2 sections)</td>
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<td></td>
<td>Development of American novel from 1900 to present.</td>
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<td>Daily (1) 8:45–10:00 (T. Summersgill)  (2) 10:10–11:25 (A. Levy)</td>
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<td>479</td>
<td>Studies in American Literature (9)</td>
<td>Stillians</td>
<td>Daily 8:45–10:00</td>
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<td>Robert Frost.</td>
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<tr>
<td>480</td>
<td>Literature of the Pacific (3)</td>
<td>Stillians</td>
<td>Daily 11:35–12:50</td>
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<td></td>
<td>The literature of the Pacific islands and Australasia: narratives of voyages and travels, translations of native folk literature, and short stories and novels by such writers as Melville, Stevenson, London, Becke, Nordhoff and Hall.</td>
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<tr>
<td>483</td>
<td>Modern Dramatic Literature (3)</td>
<td>Teevan</td>
<td>Daily 11:35–12:50</td>
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<td>European, Ibsen and Chekhov to Shaw, 1880–1920.</td>
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<td>484</td>
<td>Modern Dramatic Literature (3)</td>
<td>Topham</td>
<td>Daily 11:35–12:50</td>
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<td>European and American, O'Casey to Miller, 1920 on.</td>
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<td>487</td>
<td>20th-Century British and American Poetry (3)</td>
<td>Heine</td>
<td>Daily 7:20–8:35</td>
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<td>638</td>
<td>History of Literary Criticism (9)</td>
<td>Wellein</td>
<td>Daily 8:45–10:00</td>
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<td>Chief theories of modern literary criticism, with readings (in English).</td>
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<tr>
<td>660</td>
<td>Major Authors (9)</td>
<td>Anderson</td>
<td>MWF 2:00–4:05</td>
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<td>Study of Swift and Pope.</td>
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<tr>
<td>735</td>
<td>Seminar in Comparative Literature (8)</td>
<td>Anderson</td>
<td>MWF 11:35–1:40</td>
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<td></td>
<td>Introduction to comparative literature; relationship of English to other literatures; sources and influences. Pre: consent of instructor.</td>
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<tr>
<td>775</td>
<td>Seminar in English Literature (8)</td>
<td>Buckley</td>
<td>MWF 11:35–1:40</td>
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<td></td>
<td>Study of authors or a period. Pre: consent of instructor.</td>
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ENGLISH LANGUAGE INSTITUTE (ELI)
(All ELI courses meet M–F, 10 weeks, June 16–August 22)

60 Oral English for Foreign Students (0)
(3 sections)
Intensive practice to develop facility in speaking and understanding conversational English. Equals 3 credits. (Register for one class section plus one laboratory section.)
Daily (1) 7:30–8:20 Laboratory: Daily (1) 10:30–10:55
(2) 8:30–9:20 (2) 11:30–11:55
(3) 1:30–2:20

70 Intermediate Oral English for Foreign Students (0)
(6 sections)
Further practice in spoken fluency and accurate aural comprehension. Equals 3 credits. (Register for one class section plus one laboratory section.)
Daily (1) 7:30–8:20 Laboratory: Daily (1) 10:00–10:25
(2) 8:30–9:20 (2) 11:00–11:25
(3) 9:30–10:20 (3) 12:30–12:55
(4) 11:30–12:20
(5) 12:30–1:20 (Lab 1 or 2)
(6) 1:30–2:20

80 Advanced Oral English for Foreign Students (0)
(7 sections)
Advanced instruction, with emphasis on comprehension of unmodified streams of speech and extended oral discourse. Equals 2 credits.
Daily (1) 7:30–8:20 (2) 8:30–9:20 (3) 9:30–10:20 (4) 10:30–11:20

61 English Structure for Foreign Students (0)
(2 sections)
Intensive drill on the automatic recognition and production of English grammatical signals. Equals 1 credit.
Daily (1) 7:30–8:20 (2) 1:30–2:20

71 Intermediate English Structure for Foreign Students (0)
(5 sections)
Further drill on English grammatical patterns. Equals 1 credit.
(5) 12:30–1:20

62 Reading Program for Foreign Students (0)
(2 sections)
Instruction and practice in the development of improved reading comprehension and speed, and in effective use of textbooks and reference materials. Equals 2 credits.
Daily (1) 11:30–12:20 (2) 1:30–2:20

72 Intermediate Reading Program for Foreign Students (0)
(5 sections)
Further work on reading comprehension and speed, plus techniques of skimming and rapid review. Equals 2 credits.
(5) 1:30–2:20

63 Writing Program for Foreign Students (0)
(4 sections)
Instruction and practice in factual reporting. Equals 2 credits.
Intermediate Writing Program for Foreign Students (0)
(6 sections)
Instruction and practice in essay-type writing; gathering, classification, and documentation of facts. Equals 2 credits.
(5) 1:30–2:20 (6) 2:30–3:20

Advanced English Structure for Foreign Students (2)
(6 sections)
Emphasis on control of complex spoken and written syntactical constructions.
Daily (1) 7:30–8:20 (2) 8:30–9:20 (3) 9:30–10:20 (4) 11:30–12:20
(5) 12:30–1:20 (6) 1:30–2:20

Advanced Writing Program for Foreign Students (2)
(5 sections)
Writing of critical reports and term papers; logical analysis, evaluation, and organization of facts.
Daily (1) 7:30–8:20 (2) 8:30–9:20 (3) 11:30–12:20 (4) 1:30–2:20
(5) 2:30–3:20

EUROPEAN LANGUAGES (EL)

The French in the Pacific (3)
The French presence in the Pacific, especially Tahiti, in relation to French literature, art, culture, and civilization, with particular attention to the works of Bougainville, Diderot, Voltaire, Pierre Loti, and Paul Gauguin. The course is conducted in English; knowledge of French is not necessary.
Daily 11:35–12:50

FRENCH (Fr)

Elementary French (4)
(3 sections)
Intensive course in conversation, grammar, reading, writing. Two classes and two lab sessions required daily.
Daily (1) 7:45–8:35; 8:45–10:00 plus laboratory
(2) 9:10–10:00; 10:10–11:25 plus laboratory
(3) 10:10–11:00; 11:35–12:50 plus laboratory

Elementary French (4)
Continuation of 101. Two classes and two lab sessions required daily.
Daily 7:45–8:35; 8:45–10:00 plus laboratory

Intermediate French (3)
(2 sections)
Intensive course in conversation, grammar review, reading, composition. Pre: 102 or the equivalent. One class and two lab sessions required daily.
Daily (1) 10:10–11:25 plus laboratory (2) 11:35–12:50 plus laboratory

Intermediate French (3)
Continuation of 201. One class and two lab sessions required daily.
Daily 7:20–8:35 plus laboratory
311 Advanced Conversation and Composition (3) **Staff**
Reading and discussions to develop insight into French literature and culture with major emphasis on strengthening facility with the language. Pre: 202. 
Daily 1:10–2:25

331-332 Survey of French Literature (6) **Staff**
Survey of French literature covering major authors and movements. Pre: 311–312 with which either 331 or 332 may be taken concurrently. 
Daily 10:10–11:25; 11:35–12:50

**GENERAL SCIENCE (Sci)**

121 Introduction to Science (4) **W. J. Newhouse**
Characteristics of science and interaction of society with science, illustrated by topics from biological science. 
(2) M 8:45–10:35 (17) W 10:45–12:35
(3) M 8:45–10:35 (18) W 10:45–12:35
(4) M 10:45–12:35 (19) Th 8:45–10:35
(5) M 10:45–12:35 (20) Th 8:45–10:35
(6) M 10:45–12:35 (21) Th 8:45–10:35
(7) T 8:45–10:35 (22) Th 10:45–12:35
(8) T 8:45–10:35 (23) Th 10:45–12:35
(9) T 8:45–10:35 (24) Th 10:45–12:35
(11) T 10:45–12:35 (26) F 8:45–10:35
(12) T 10:45–12:35 (27) F 8:45–10:35
(13) W 8:45–10:35 (28) F 10:45–12:35

Students will attend two laboratories per week, one from the group listed as Labs 1–15 and one from Labs 16–30.

620 Natural Science as a Human Activity (2) **W. J. Newhouse**
The scientist; productivity in science; comparison of several fields; anatomy of science; science and society. 
Hrs. arr.

**GEOGRAPHY (Geog)**

101 Elements of Physical Geography (3) **J. Nasuti**
Survey of man's natural environment; distribution and interrelationships of climates, vegetation, soils, and landforms. Laboratory problems in map interpretation and environmental analysis. 
Daily 7:45–8:35 Laboratory (1) MW 1:10–4:00 (2) TTh 1:10–4:00

102 World Regional Geography (3) **R. Lyons**
Geography of the world's major cultural regions; emphasis on geographic aspects of contemporary economic, social, and political conditions. 
Daily 10:10–11:25
151 Economic Geography (3)  R. Preston
Systematic study of patterns of economic activities; agriculture, mining and manufacturing, services and consumption. Elements of location theory, transportation and urban geography. Basic aspects of regional economic development and planning.
Daily 8:45–10:00

309 Introduction to Climatology (3)  J. Nasuti
Daily 10:10–11:25

335 Political Geography (3)  G. Weigend
Geographic background of international politics and national power. Case studies of problem areas and boundary problems.
Daily 11:35–12:50

347 Geography of Europe (3)  G. Weigend
Physical environment and resources; ethnic distributions and patterns of human use and occupation. Analysis of regional groupings and selected individual countries.
Daily 8:45–10:00

352 Geography of Japan (3)  E. Lott
Regional synthesis of the physical and cultural features which characterize the economic, social, and political geography of Japan. Emphasis on the origin of these patterns.
Daily 7:20–8:35

361 Geography of Australia and New Zealand (2)  J. Langdale
Australia and New Zealand in the postwar world. The physical environment and rural industries. Demographic movements, industrialization and urbanization.
Daily 11:35–12:25

365 Geography of the Pacific (3)  T. Boaz
The physical character of the Pacific and its islands and cultural, political and economic geography of Melanesia, Micronesia, and Polynesia (except Hawaii).
Daily 10:10–11:25

399 Directed Reading (arr.)  Staff
Hrs. arr.

421 Urban Geography (3)  R. Preston
Location, size, functions, and spatial-economic structure of the modern city. The urban sphere of influence. Problems of urban transportation, changes in land use and urban growth. The role of government in urban development. Pre: 151.
Daily 11:35–12:50

700(1) Seminar: Human Ecology (3)  R. W. Armstrong
Concepts of human ecology and applications to problems of environmental management, with reference to the role of geography.
Hrs. arr.

700(2) Seminar: Contemporary Urban Social Geography (3)  R. Earickson
A systems approach to interrelated urban problems: transportation, ethnic distributions, human movement. Field studies on Oahu.
Hrs. arr.

GEOSCIENCES (Geosc)

799 Directed Reading and Research (arr.)  Staff
Hrs. arr.
GERMAN (Ger)

101 Elementary German (4)  Staff
(2 sections)
Intensive course in conversation, grammar, reading, writing. Two classes and two lab sessions required daily.
Daily (1) 8:10–9:25; 9:35–10:25 plus laboratory
(2) 11:10–12:25; 12:35–1:25 plus laboratory

102 Elementary German (4)  Staff
Continuation of 101. Two classes and two lab sessions required daily.
Daily 7:45–8:35; 11:35–12:50 plus laboratory

106 German for Reading Proficiency (3)  Staff
Designed to teach the student to read scholarly and technical German. Primarily for graduate students, but open to undergraduates with consent of chairman of department.
Daily 8:45–10:00

201 Intermediate German (3)  Staff
Intensive course in conversation, grammar review, reading, composition. Pre: 102 or the equivalent. Language lab practice required daily.
Daily 7:20–8:35 plus laboratory

202 Intermediate German (3)  Staff
Continuation of 201. Language lab practice required daily.
Daily 8:45–10:00 plus laboratory

HAWAIIAN (Haw)

101 Elementary Hawaiian (3)  J. Ward, Staff
(2 sections)
Development of listening, speaking, reading, writing. Structural points introduced inductively. Daily laboratory work.
Daily (1) 1:10–2:25 plus laboratory (2) 1:10–2:25 plus laboratory

201 Intermediate Hawaiian (3)  D. Johnson
Continuation of 102. Reading of traditional texts. Daily laboratory work. Pre: 102 or equivalent.
Daily 1:10–2:25 plus laboratory

HINDI (Hindi)

101 Elementary Hindi (3)  J. Baumer
Development of listening, speaking, reading, writing. Structural points introduced inductively. Daily laboratory work.
Daily 1:10–2:25 plus laboratory
HISTORY (Hist)

151 World Civilization (3)  G. Daws
(2 sections)
A survey of the more significant political, social, economic, and intellectual factors in the development of civilization of the world from the ancient Middle East, Greece and Rome in the West, and the ancient cultures of China, Japan, and India in the East to the 17th century.
Daily (1) 10:10-11:25 (2) 11:35-12:50

152 World Civilization (8)  G. Daws
Continuation of the history of world civilization from the 17th century to the present day.
Daily 7:20-8:35

281 Introduction to American History (3)  C. Hunter
An interpretive survey of United States history from the earliest settlements to 1877.
Daily 11:35-12:50

401 History of South Asia to 1000 A.D. (8)  J. P. Sharma
General historical survey of India, Pakistan, Ceylon from earliest times.
Daily 10:10-11:25

407 East Asia to the Mid-19th Century (8)  H. Lamley
Survey of political, social and economic history of East Asia to the mid-19th century.
Daily 11:35-12:50

409 History of China to 1600 (8)  D. Kwok
Course of Chinese civilization from earliest times.
Daily 7:20-8:35

411 Problems of 19th and 20th Century China (8)  D. Kwok
Selected problems in the history of China's encounter with the West. Readings and discussions.
Daily 8:45-10:00

413 History of Pre-Modern Japan (3)  V. Morris
Historical survey of Japanese culture, government, economics, institutions.
Daily 7:20-8:35

414 History of Modern Japan (8)  G. Akita
Historical survey of Japanese culture, government, economics, institutions. From 1600 to present.
Daily 10:10-11:25

424 History of the Hawaiian Islands (2)  C. Hunter
General course, but with some detail. Emphasis on period of monarchy. Interchangeable credit: Asian, Pacific or American.
Daily 9:10-10:00

448 History of England (8)  D. Bernstein
Major trends in development of English civilization from Henry VIII to Churchill.
Daily 11:35-12:50

449 History of Russia to Mid-19th Century (8)  R. Wade
Survey of development of Russian thought and institutions, and of territorial expansion.
Daily 8:45-10:00

457 Russian Revolution (3)  R. Wade
The causes of the revolution, the revolutionary movements, the February and October revolutions, the civil war.
Daily 10:10-11:25
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>461</td>
<td>Colonial America to 1790 (3)</td>
<td>C. Cowing</td>
<td>Transit of European culture to North America, independence, Constitution.</td>
</tr>
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<td>Daily 10:10–11:25</td>
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<tr>
<td>463</td>
<td>Crisis of the Union: U.S. History 1841–1877 (3)</td>
<td>Newby</td>
<td>National expansion, sectional conflict; Civil War and Reconstruction.</td>
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<td>Daily 8:45–10:00</td>
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<tr>
<td>464</td>
<td>The Transformation of America: U.S. History 1877–1920 (3)</td>
<td>E. Beechert</td>
<td>Response to industrialism and emergence of U. S. as world power.</td>
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<td>Daily 8:45–10:00</td>
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<tr>
<td>477</td>
<td>Economic History of the United States (3)</td>
<td>E. Beechert</td>
<td>Emphasis on role of techniques, agricultural developments, entrepreneur, rise of labor movement. Pre: Econ 150–151 recommended.</td>
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<td>Daily 7:20–8:35</td>
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<tr>
<td>480</td>
<td>History of Black Americans (3)</td>
<td>Newby</td>
<td>The achievements of black Americans and their protests against racial repression and discrimination. Exploration of the meaning of Afro-American historical experience in the United States.</td>
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<td>Daily 11:35–12:50</td>
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<tr>
<td>482</td>
<td>American Thought and Culture (3)</td>
<td>R. Rapson</td>
<td>Advanced course in American social customs, institutions, intellectual pursuits.</td>
</tr>
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<td>Daily 11:35–12:50</td>
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<tr>
<td>491</td>
<td>History of Africa (3)</td>
<td>B. Obichere</td>
<td>A survey of African history during the 19th and 20th centuries.</td>
</tr>
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<td>Daily 8:45–10:00</td>
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<tr>
<td>601</td>
<td>Seminar in Historical Method (3)</td>
<td>A. Saville</td>
<td>Training in evaluation of sources and preparation of theses.</td>
</tr>
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<td>Hrs. arr.</td>
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<tr>
<td>602</td>
<td>Seminar in Historiography (3)</td>
<td>A. Saville</td>
<td>History of history and historians.</td>
</tr>
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<td>Hrs. arr.</td>
</tr>
<tr>
<td>631</td>
<td>Advanced Problems and Reading in American History (3)</td>
<td>R. Rapson</td>
<td>Interpretations and literature of important problems of American history.</td>
</tr>
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<td>Hrs. arr.</td>
</tr>
<tr>
<td>635</td>
<td>The Colonial Period in American History (3)</td>
<td>C. Cowing</td>
<td>Reading and research in political, social and intellectual history. Pre: 461 or equivalent.</td>
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<td>Hrs. arr.</td>
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<td>Hrs. arr.</td>
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<tr>
<td>665</td>
<td>Seminar in Japanese History (3)</td>
<td>V. Morris</td>
<td>Main fields of Japanese historical research; principal sources of bibliographical information; selected problems in modern Japanese history.</td>
</tr>
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<td>Hrs. arr.</td>
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</tbody>
</table>
691 Seminar in African History (3) B. Obichere
Hrs. arr.

713 Chinese Historical Literature (2) Liu
Study of the textual composition of traditional documents from the Book of History to the dynastic histories of the Late Han and the Three Kingdoms. Knowledge of Chinese required.
Daily 10:10-11:25 June 30-July 25

717 Chinese Intellectual History (2) Liu
Intensive study of Taoist thought from the mid-14th to the mid-17th century, with concentration on interrelationships between Taoist and Neo Confucianist thinkers, the historical background of the times, and the religious aspects of Taoist activities.
Daily 11:35-12:50 June 30-July 25

799 Directed Research (arr.) Staff
Hrs. arr.

INDONESIAN (Ind)

111 Intensive Elementary Indonesian (6) Staff
Intensive course equivalent to Elementary Indonesian in academic year. Includes all four skills: listening, speaking, reading, and writing. In addition to 25 hours a week of class work for 6 weeks, two periods of laboratory drill daily required.
Daily 7:20-10:00; 12:30-2:25 plus laboratory

112 Intensive Intermediate Indonesian (6) Staff
Intensive course equivalent to Intermediate Indonesian in academic year. Includes all four skills: listening, speaking, reading, and writing. In addition to 25 hours of class work a week for 6 weeks, two periods of laboratory drill daily required.
Daily 7:45-9:35; 1:10-3:50 plus laboratory

JAPANESE (Jap)

101 Elementary Japanese (3) Staff
(5 sections)
Development of four skills: listening, speaking, reading, and writing. Structural points introduced inductively. Language lab practice required daily.
Daily (1) 9:10-11:25 plus laboratory (4) 9:10-11:25 plus laboratory
(2) 9:10-11:25 plus laboratory (5) 9:10-11:25 plus laboratory
(3) 9:10-11:25 plus laboratory

111 Intensive Elementary Japanese (6) Staff
(2 sections)
Intensive course equivalent to Elementary Japanese in academic year. Includes all four skills: listening, speaking, reading, and writing. In addition to 25 hours a week of class work for 6 weeks, two periods of laboratory drill daily required. Pre: consent of instructor.
Daily (1) 7:45-10:00; 12:35-3:25 plus laboratory
(2) 7:45-10:00; 12:35-3:25 plus laboratory
201 Intermediate Japanese (4)  
(3 sections)  
Continuation of 101-102. Language lab practice required daily.  
Daily (1) 10:10-12:25 plus laboratory  
(2) 10:10-12:25 plus laboratory  
(3) 10:10-12:25 plus laboratory

301 Third-Level Japanese (3)  
(2 sections)  
Study of modern spoken and written Japanese involving advanced structures, expressions, patterns, kyooitu kanji. Pre: 202 or equivalent.  
Daily (1) 11:35-12:50 plus laboratory  
(2) 11:35-12:50 plus laboratory

303 Accelerated Third-Level Japanese (6)  
Study of modern spoken and written Japanese involving advanced structures, expressions, patterns, kyooitu kanji. In one session, content of 301-302 covered. Pre: 204 or equivalent.  
Daily 10:10-11:25; 11:35-12:50 plus laboratory

362 Japanese Literature in Translation—Modern (3)  
V. Viglielmo  
Historical survey from 1868 to present, with emphasis on analysis. Knowledge of Japanese not required. Pre: two semesters of literature in English department.  
Daily 1:10-2:25

401 Fourth-Level Japanese (3)  
Study of modern spoken and written Japanese involving complicated structures, expressions, patterns, tooyoo kanji. Pre: 302 or equivalent.  
Daily 11:35-12:50 plus laboratory

451 Structure of Japanese (3)  
B. Hoffer  
Phonology, morphology, syntax of modern colloquial grammar. Pre: 202 or equivalent.  
Daily 2:35-3:50

JOURNALISM (Journ)

150 The Press and Society (3)  
J. Richstad  
Analysis and evaluation of American journalism as shaped by historical, legal, economic, social forces; comparison/contrast with the world press.  
Daily 10:10-11:25

KOREAN (Kor)

111 Intensive Elementary Korean (6)  
D. J. Lee  
Intensive course equivalent to Elementary Korean in academic year. Includes all four skills: listening, speaking, reading, and writing. In addition to 25 hours a week of class work for 6 weeks, two periods of laboratory drill daily required.  
Daily 7:45-10:00; 1:10-3:50 plus laboratory

LATIN (Latin)

202 Intermediate Latin (3)  
Review of grammar, reading of selections from prose and poetry. Pre: 102 or equivalent.  
Daily 11:35-12:50
LIBRARY STUDIES (LS)

All library studies courses meet twice each day in a morning and afternoon session. Registration in library studies courses requires the approval of the Dean of the Graduate School of Library Studies. Classes will meet on Registration Day.

601 Bibliography and Reference Sources (3)  
N. Horrocks  
Analysis of the means by which availability and content of graphic materials are recorded; characteristics and problems of national and subject bibliography, and function of the librarian as bibliographer. Introduction to materials and methods for locating information in general reference sets, specific fact sources, periodical indexes, abstract series; analytical and searching procedures for simple inquiries.  
Daily 7:45-9:00; 1:00-2:15 June 16–July 4

602 Advanced Reference Sources (3)  
N. Horrocks  
Pre: 601 Bibliography and Reference Sources. Continued discussion of various types of general reference tools. Introduction to the subject approach in reference work through the three major areas: sciences, social sciences, and humanities. Each area analyzed in terms of the characteristics of the literature and of the typical problems and methods of reference work; major works in each area studied as examples.  
Daily 7:45-9:00; 1:00-2:15 July 7–25

605 Basic Cataloging and Classification (3)  
D. McAlister  
Designed as an introduction to cataloging in the research or large general library and as a terminal course in cataloging for the school or small popular library. Covers principles and practice of descriptive cataloging structure and application of the Dewey Decimal Classification and Sears' List of Subject Headings, and the use of printed cards.  
Daily 9:15-10:30; 2:30-3:45 June 16–July 4

610 Social Functions of Libraries (3)  
M. Andrews  
Introduction to librarianship. The four aspects of the course include: librarianship as a profession, the history of books and libraries, a survey of current programs and trends in American libraries, and international aspects of librarianship.  
Daily 7:45-9:00; 1:00-2:15 July 7–25

615 Building Library Collections (3)  
G. Droste  
Pre: 601 Bibliography and Reference Sources. Criteria for evaluating and selecting library materials, devising and maintaining an acquisition program, and structure of the book trade. Findings of studies of library use are drawn upon where applicable.  
Daily 10:45–12:00; 4:00–5:15 June 16–July 4

650 Administration of Libraries (3)  
J. Hunt  
Organization and human factors which make for effective library service. Covers governmental relations, policy making, structure of jobs and departments, communication and co-ordination, staffing, financing, and housing. Case studies used for instructional purposes.  

665 Special Libraries (3)  
E. Ferguson  
A survey of the major types of special libraries with emphasis on the purpose, organization, physical facilities, collections and services of special libraries in business, government, and professional associations.  
Daily 7:45–9:00; 1:00–2:15 June 16–July 4

678 Reader Services (3)  
E. Schofield  
Introduction to major forms of library services to the reader as developed in libraries of all types. Emphasis on study of the community served as a basis for the program
of reader services. Wide reading, class lectures and discussion, student projects, and an opportunity to observe services provided in public, school, college, and special libraries in the area.

Daily 9:15–10:30; 2:30–3:45    July 7-25

**681 Reading Materials for Children (3)**

R. DeAngelo

Historical background of children's literature. Selection aids, criteria for evaluating, and evaluation of contemporary children's books and recordings on basis of development needs of children through the sixth grade. Opportunity to develop skills in storytelling.

Daily 10:45–12:00; 4:00–5:15    July 7-25

**682 Reading Materials for Youth (3)**

I. Hormann

Evaluation of books and magazines for young people of junior and senior high school age; book selection tools and criteria for judging. Developmental needs of young people with attention to materials for exceptional readers. Methods of stimulating reading such as book lists and book talks.


**701 Administration of Libraries in Asia (3)**

G. R. Nunn

Governmental and fiscal policies and programs, personnel administration, policy making, buildings and equipment for libraries in Asian countries.

Daily 10:45–12:00; 4:00–5:15    July 7-25

**705 Asian Reference Sources (3)**

G. R. Nunn

Bibliographical and reference tools and services in Asian countries with special attention to source materials in other than Western languages.

Daily 10:45–12:00; 4:00–5:15    June 16–July 4

**LINGUISTICS (Ling)**

**102 Introduction to the Study of Language (3)**

A. Lyovin

Nature and workings of language; its role in culture and history.

Daily 8:45–10:00

**320 General Linguistics (3)**

J. H. Ward

Approaches, concepts, component areas of linguistics; its development as a science.

Daily 10:10–11:25

**699 Directed Research (arr.)**

Pre: graduate standing; consent of instructor.

Daily 10:10–11:25

**750 Seminar (3)**

T. H. Roberts

Reporting and discussion of current research in linguistics. Pre: consent of instructor. May be repeated.

Daily 10:10–11:25

**MATHEMATICS (Math)**

**100 Survey of Mathematics (3)**

Y. Ikeda, A. Mader

(4 sections)

To acquaint the non-specialist with the position of mathematics in modern culture. Open to freshmen and sophomores who have not earned credit in 134 or above.

Daily (1) 7:20–8:35 (Ikeda)    (3) 10:10–11:25
(2) 8:45–10:00 (Mader)    (4) 11:35–12:50 (Ikeda)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor(s)</th>
<th>Credit Hours</th>
<th>Sections</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>111</td>
<td>Introduction to Mathematics (3)</td>
<td>S. Uyemura, N. Whitman</td>
<td>3</td>
<td>3 sections</td>
<td>Study of structure and concepts of arithmetic. Primarily for Education majors. Daily (1) 7:20–8:35 (Uyemura) (2) 7:20–8:35 (Whitman) (3) 8:45–10:00 (Uyemura)</td>
</tr>
<tr>
<td>201</td>
<td>Finite Mathematics (3)</td>
<td>E. Bertram</td>
<td>3</td>
<td>2 sections</td>
<td>Algebra of sets, elementary probability theory, vectors and matrices, linear programming, theory of games. Pre: 134 or equivalent. Daily (1) 7:20–8:35 (2) 10:10–11:25</td>
</tr>
<tr>
<td>232</td>
<td>Ordinary Differential Equations (3)</td>
<td>C. Weinbaum</td>
<td>3</td>
<td></td>
<td>First order equations; linear equations with constant coefficients; systems of equations, Laplace transforms; applications. Pre: 231. Daily 10:10–11:25</td>
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<tr>
<td>471</td>
<td>Probability (3)</td>
<td>R. Yeh</td>
<td>3</td>
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<td>Probability spaces, random variables, special distributions, mathematical expectations, moments and characteristics functions. Pre: 232. Daily 8:45–10:00</td>
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<tr>
<td>134</td>
<td>Pre-Calculus (4)</td>
<td>M. Fraser, J. Johnson, J. Siu</td>
<td>4</td>
<td>5 sections</td>
<td>Algebraic operations as applied to elementary functions and equations; graphs, trigonometric functions; lines and conics. Pre: two years of high school algebra and one year of plane geometry or consent of department. MWF (1) 7:20–8:35 (Fraser) (2) 8:45–10:00 (Fraser) (3) 8:45–10:00 (Johnson) (4) 10:10–11:25 (Johnson) (5) 11:35–12:50 (Siu) Lab (1) T 7:20–8:35 (Fraser) (2) T 8:45–10:00 (Fraser) (3) Th 8:45–10:00 (Johnson) (4) Th 10:10–11:25 (Johnson) (5) T 11:35–12:50 (Siu)</td>
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<tr>
<td>205</td>
<td>Calculus I (4)</td>
<td>J. Williamson, W. Stout</td>
<td>4</td>
<td>3 sections</td>
<td>Basic concepts; techniques of differentiation; integration of algebraic and trigonometric functions with applications. Pre: 134 or equivalent. MWF (1) 7:20–8:35 (Williamson) (2) 10:00–11:25 (Stout) (3) 11:35–12:50 (Williamson) Lab (1) Th 7:20–8:35 (Williamson) (2) T 10:10–11:25 (Stout) (3) Th 11:35–12:50 (Williamson)</td>
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<tr>
<td>206</td>
<td>Calculus II (4)</td>
<td>R. Clark</td>
<td>4</td>
<td>2 sections</td>
<td>Exponential, logarithmic and hyperbolic functions; techniques of integration; elements of three dimensional analytic geometry; multiple integration, infinite series; partial differentiation. Pre: 205 or equivalent. MWF (1) 7:20–8:35 (Clark) (2) 8:45–10:00 (Clark) Lab (1) T 7:20–8:35 (Clark) (2) T 8:45–10:00 (Clark)</td>
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<tr>
<td>231</td>
<td>Multi-Variable Calculus (3)</td>
<td>E. Manes</td>
<td>3</td>
<td>2 sections</td>
<td>Vector-oriented study of functions of several variables; elements of linear algebra, line and surface integrals, divergence and curl. Pre: 206. MWF (1) 10:10–11:25 (2) 11:35–12:50</td>
</tr>
</tbody>
</table>
311 Linear Algebra (3)  
A. Mader  
MWF 10:10–11:25

412 Abstract Algebra (3)  
W. Stout  
Introduction to basic algebraic structures including groups, rings, and fields. Pre: 311.  
MWF 11:35–12:50

MEDICAL TECHNOLOGY (MT)

466 Internship (4)  
L. Wulff  
Internship in affiliated hospital. Pre: three years of prescribed courses and at least one semester on U.H. campus.  
Hrs. arr.

MICROBIOLOGY (Micro)

130 General Bacteriology (3)  
J. Hall  
Microorganisms as they affect people and their possessions. Not open to those who have credit in 351.  
Daily 10:10–11:25

632 Advanced Microbial Physiology (3)  
A. Marr  
Selected topics. Pre: 431 or consent of instructor.  
Daily 8:45–10:00

699 Directed Research  
Selected problems in microbiology. Pre: consent of instructor.  
Hrs. arr.

800 Thesis Research  
Pre: consent of instructor.  
Hrs. arr.

MUSIC (Mus)

140 Recreational Music (2)  
F. Uchima  
Elementary music skills including instruction on ukulele. For recreation majors but open to others.  
Daily 9:10–10:00

160 Introduction to Music Literature (3)  
R. Vaught  
(2 sections)  
Elements, styles and forms of music, from listener's point of view.  
Daily (1) 7:20–8:35  (2) 8:45–10:00

170 Music in World Culture (3)  
R. Trimillos  
Role of music in societies—ancient and modern, sophisticated and non-sophisticated, Western and non-Western, child and adult. Representative styles and regional characteristics.  
Daily 10:10–11:25
180 Fundamentals of Western Music (3)  
R. McKay  
Fundamental concepts in organization of music as expressive medium in Western Culture. Roles of composer, performer and listener. Notation as mode of communication. Discovery and verification of ideas through laboratory of experience.  
Daily 11:35–12:50

364 Topics in Contemporary Music (2)  
I. Dahl  
Study of special problems in contemporary music literature. May emphasize specific composers, forms, material or media. May be repeated. Pre: 160 or 180 or 181.  
Daily 10:10–11:00

401(82) Ensemble: Contemporary (1)  
P. Corragio  
Hrs. arr.

401(93) Ensemble: Chinese Dance (1)  
S. Delza  
Daily 9:10–10:00

401(98) Ensemble: Oceanic (1)  
A. Kaeppler  
Daily 7:45–8:35

402 University Concert Choir (1)  
A. Russell  
Performance of a cappella literature and major choral works. May be repeated for credit.  
Daily 10:10–11:00

409 University Concert Band (1)  
F. Uchima  
Performance of major band literature including works by contemporary composers. Pre: audition or consent of instructor.  
Daily 11:35–12:25

456 Institute on Asian Music in Music Education (3)  
C. Wolz, R. Trimillos  
Study and performance of music and dances of Asia, including China, Japan, Korea, Okinawa, and the Philippines. Development of curriculum materials for teachers of grades 1–6. Pre: 252 or 253 or teaching experience. Guest lecturers and instructors.  
Daily 7:20–10:00 July 8–25

464 Twentieth Century Music (2)  
N. McKay  
Study of major styles and composers from Debussy to present. Pre: 160 or 181, or consent of instructor.  
Daily 9:10–10:00

497 Symposium in Music Composition (2)  
I. Dahl  
Original composition with discussions of specific approaches to creative writing. Pre: one year of undergraduate composition at the junior or senior level; 487–488.  
Daily 1:35–2:25

519 Music for Elementary Teachers (3)  
A. Schwadron  
Music fundamentals; basic music skills and theory with emphasis on reading music. Sight singing, ear training through melodic and rhythmic dictation, creative activities, analysis of simple song forms, study of basic harmony with direct application to classroom instruments.  
Daily 10:10–11:25

651 Foundations in Music Education (2)  
A. Schwadron  
Discovery and organization of broad problems in music education. Relating basic concepts of music in elementary and secondary schools to total curriculum. Pre: teaching experience.  
Daily 11:35–12:25
Applied Music

121 Class Voice (1) R. Vine
Class instruction in voice. Practice facilities in Music Building. Course fee $25.
Hrs. arr.

125 Elementary Piano Class (1) D. Ah Chan
Basic principles of piano performance. Relevant problems in piano literature at
elementary level.
Daily 9:10–10:00

127(79) Asian Instruments Class: Koto (1) K. Mikami
Hrs. arr.
Course fee $25.

131, 231 Individual Instruction (1)
For non-music or music majors. May be repeated. Course fee $55.
Hrs. arr.
(11) Voice, (21) Piano, (42) Oboe, (43) Clarinet, (44) Bassoon, (45) Saxophone,
Dance, (95) Okinawan Dance, (96) Philippine Dance

431 Individual Instruction (1)
Voice, piano, dance, orchestral or Asian instruments. Non-music majors or majors
at junior-senior level. May be repeated for credit. Course fee $55.
Hrs. arr.
(11) Voice, (21) Piano, (42) Oboe, (43) Clarinet, (44) Bassoon, (45) Saxophone,
Dance, (95) Okinawan Dance, (96) Philippine Dance

NURSING (Nurs)

425 Nursing Leadership I (6) Cockrill, Fancher, Briggs
Study of the theoretical concepts basic to planning, organizing, implementing, and
evaluating nursing care of individual and groups of patients and for understanding
the role of the professional nurse on the nursing and health teams. Pre: 415–416 and
a statistics course or consent of instructor.
MWF 1:30–3:25 plus daily lab 7:20–12:00

OCEANOGRAPHY (Ocean)

201 Science of the Sea (3) K. Roy
Introduction to biological, geological, chemical, and physical aspects of oceanogra-
phy. Based on classroom lectures and use of oceanographic equipment and tech-
niques at sea aboard ship and in nearshore zone.
MTThF 10:10–11:25; Sat. 8:00–5:00 field expedition

699 Directed Research (arr.)
Pre: consent of instructor.
Hrs. arr.

800 Thesis Research (arr.)
Pre: consent of adviser.
Hrs. arr.
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Time</th>
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<tbody>
<tr>
<td>100</td>
<td>Introduction to Philosophy (3)</td>
<td>McCarthy</td>
<td>3</td>
<td>Daily 7:20–8:35</td>
<td>Problems, methods, fields of philosophy.</td>
</tr>
<tr>
<td>200</td>
<td>History of Philosophy I (3)</td>
<td>Borgmann</td>
<td>3</td>
<td>Daily 10:10–11:25</td>
<td>Western philosophy from era of great Greek thinkers to Renaissance.</td>
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<td>Particular attention to Descartes and Spinoza.</td>
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<tr>
<td>310</td>
<td>Twentieth Century Philosophy (3)</td>
<td>Aiken</td>
<td>3</td>
<td>Daily 10:10–11:25</td>
<td>Survey of recent developments in Western philosophy.</td>
</tr>
<tr>
<td>417</td>
<td>Theory of Knowledge (3)</td>
<td>Winnie</td>
<td>3</td>
<td>Daily 8:45–10:00</td>
<td>An examination of major historical and contemporary approaches to the theory of knowledge. The problems to be considered will include: truth and error, scepticism, the problem of induction, the possibility of a priori knowledge, the analytic-synthetic distinction, meaning and verification, perception, and other minds.</td>
</tr>
<tr>
<td>450</td>
<td>Indian Philosophy (3)</td>
<td>Upadhyaya</td>
<td>3</td>
<td>Daily 8:45–10:00</td>
<td>Philosophical systems and movements: Vedas, Upanishads, six systems of Hinduism, Charvaka, Jainism, Buddhism.</td>
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<tr>
<td>460</td>
<td>Buddhist Philosophy (3)</td>
<td>Inada</td>
<td>3</td>
<td>Daily 10:10–11:25</td>
<td>Survey of basic schools and tenets of Buddhist philosophy.</td>
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<tr>
<td>470</td>
<td>Chinese Philosophy (3)</td>
<td>Cheng</td>
<td>3</td>
<td>Daily 7:20–8:35</td>
<td>Historical survey of important philosophical schools and tendencies in China, ancient and modern.</td>
</tr>
<tr>
<td>450</td>
<td>Indian Social Philosophy (3)</td>
<td>Saksena</td>
<td>3</td>
<td>Daily 10:10–11:25</td>
<td>Basic codes of Indian moral and social philosophy (Dharma-sastras) and their historical developments and practical significance. Pre: 450; consent of instructor.</td>
</tr>
<tr>
<td>662</td>
<td>Zen (Ch'an) Philosophy (3)</td>
<td>Chang</td>
<td>3</td>
<td>Daily 11:35–12:50</td>
<td>Origin and development of Zen; influence on Oriental cultural traditions and contemporary scene. Pre: 460; consent of instructor.</td>
</tr>
<tr>
<td>700</td>
<td>Individual Western Philosophers (3)</td>
<td>Borgmann</td>
<td>3</td>
<td>Daily 8:45–10:00</td>
<td>(Heidegger) Pre: graduate standing; consent of instructor.</td>
</tr>
</tbody>
</table>
770 Seminar in Chinese Philosophy (3)  
Pre: 470; graduate standing; consent of instructor.  
TTh 12:30-3:30  

780 Seminar in Comparative Philosophy (3)  
Pre: graduate standing; consent of instructor.  
MF 1:35-4:35  

PHOTOGRAPHY (Photo)

100 Principles of Photography (2)  
F. Haar  
Designed primarily for those with very little photography experience. History and science of photography. Construction and use of camera; image formations; lenses, characteristics and aberrations, shutters; film construction and use, both color and black and white; filters and their use; processing of films; printing by contact and projection. Lectures; demonstrations. Students required to have their own cameras.  
MWF 1:00-2:15  

200 Experimental Photography (2)  
F. Haar  
Photography for advanced students. Camera as a tool of expression, photoaesthetics, perception, selection, composition; objective and subjective factors in forming image; experimental photography with lines, forms, tones, volumes, textures, and colors; experiments with light, without camera, photogram, specializations; photojournalism; illustration; advertising, industrial, scientific, touristic photography; portraiture. Darkroom laboratory.  
TTh 1:00-3:00  

PHYSICS (Phys)

100 Survey of Physics (3)  
R. Wolff  
Introduction to physics; basic concepts. Not open to those with previous college physics or experience beyond Math 134.  
Daily 7:20-8:35  

110 Astronomy (3)  
S. Wolff  
Survey of nature of astronomical universe, with much emphasis on scientific method and development of scientific thought. Pre: high school trigonometry.  
Daily 11:35-12:50  

161 College Physics (4)  
C. Hayes  
Fundamental principles, theories, experimental methods. Pre: Math 102 and credit or registration in Math 103.  
Daily 10:10-11:25 Lab TTh 1:10-4:00  

170 General Physics I (4)  
Staff  
Mechanics of particles, rigid bodies, fluids; properties of matter; wave motion, sound. Pre: credit or registration in Math 136.  
Daily 8:45-10:25  

171 General Physics Lab I (1)  
Staff  
Experiments in statics, dynamics, properties of matter, periodic motion, sound. Pre: credit or registration in 170.  
MW 1:10-4:00  

272 General Physics II (3)  
C. Hayes  
Fundamental laws of electricity and magnetism and their applications. Pre: 170, 171; credit or registration in Math 231.  
Daily 8:45-10:00
273 General Physics Lab II (1)  Staff
Experiments in heat, electricity, and magnetism. Pre: credit or registration in 272.
MW 1:10–4:00

274 General Physics III (4)  J. Holmes
Heat, light, and modern physics. Pre: 272 and 273, or 161; credit or registration
in Math 231.
Daily 8:45–10:25

799 Directed Research (arr.)  Staff
Hrs. arr.

PHYSIOLOGY (Physl)

699 Directed Research (arr.)  Staff
Hrs. arr.

800 Thesis Research (arr.)  Staff
Hrs. arr.

POLITICAL SCIENCE (PolSc)

110 Introduction to Politics (3)  H. Kariel
A study of the present predicaments of politics and the efforts to cope with them
through competing ideologies, governmental institutions, and political science.
Daily 8:45–10:00

210 American Government Core (3)  D. Tabb
Politics will be analyzed as a system of activities for the purpose of determining the
manners in which the will of the people is reflected in authoritative decisions.
Daily 10:10–11:25

300 Contemporary Political Thought (3)  H. Kariel
A critical discussion of current ideologies in the light of contemporary political ex­
perience.
Daily 10:10–11:25

301 Political Thought Core (3)  D. Tabb
This course will be concerned with the problem of linkages between mass and elite
behavior in a democratic society.
Daily 8:45–10:00

320 The Study of International Relations (3)  R. Pendley
This course will focus on the major theoretical efforts which have been offered to
understand, and control, the most significant problems in international relations:
especially war and peace. Emphasis will be given to the formulation of empirically
testable hypotheses drawn from the conceptual theories, and relating the hypotheses
to actual observations.
Daily 11:35–12:50

330 Theories of Political Behavior (3)  I. Rohter
Role of social and personality factors in politics: examination of research on voting,
ideology, participation, public opinion, considering alternative theories, with an
emphasis on developing testable models of political behavior.
Daily 1:10–2:25
341 Comparative Government and Politics (3)  R. Stauffer
Application of the comparative method in the study of the processes of political
development and nation-building; empirical data will be largely drawn from Asia.
Daily 10:10–11:25

345 Government and Politics of South and Southeast Asia (3)  R. Stauffer
Analysis of changing political processes and institutions in the nations of South and
Southeast Asia.
Daily 7:20–8:35

600 Political Inquiry (3)  I. Rohter
Analytical problems of political inquiry, explanation, and theorizing: the state of the
discipline, logics of explanation, theories, concepts, models, the relationship between
fact and value, alternative orientations.
Daily 11:35–12:50

602 Research Practicum (3)  R. Pendley
Probability; sampling, hypothesis testing; cross-tabulation and association; covaria-
tion; statistical decision-making; linear regression and correlation; analysis of varia-
nce; multiple correlation and regression.
Daily 10:10–11:25

PSYCHOLOGY (Psy)

Psychology 100 or 111 or the equivalent is prerequisite to all other psychology courses
listed below.

100 Survey of Psychology (3)  R. H. Pool, K. A. Minke
Principles of human behavior. Individual differences, motivation, emotion, percep-
tion, learning, etc.
Daily (1) 7:20–8:35 (Pool)  (2) 8:45–10:00 (Minke)

110 Psychology of Adjustment (3)  J. J. Blaylock
Understanding and improving adjustment: Needs, frustrations, conflicts, anxiety,
Daily 7:20–8:35

113 Statistical Techniques (3)  L. E. Bourne
Frequency distributions; graphic methods, central tendency; variability; correlation;
reliability; tests of significance. Pre: two years of high school algebra or equivalent;
100 or 111.
Daily 7:20–8:35

214 Learning and Motivation (3)  J. G. Carlson
Major conditions influencing learning and forgetting; the role of practice, reward,
motivation, drive and emotion; theoretical interpretations of learning and motivation.
Pre: 100 or 111, & 112.
Daily 10:10–11:25

215 Sensory Processes (3)  H. Groth
Psychophysics; vision, audition, taste, smell. Pre: 100 or 111, & 112.
Daily 8:45–10:00

317 Physiological Psychology (3)  R. S. Feldman
Psychological basis of vision, audition, motivation, emotion, learning. Pre: 111, 112.
Daily 11:35–12:50
320 Developmental Psychology (3)  G. Tanabe
Emotional mental, physical, social development from infancy to adulthood; interests and abilities at different age levels. Pre: 100 or 111.
Daily 7:20-8:35

321 Psychology of Personality (3)  D. L. Watson
Scientific study of personality, its meaning, assessment, development, relation to cultural-social determinants. Pre: 100 or 111.
Daily 10:10-11:25

322 Social Psychology (3)  R. H. Pool
Interpersonal relations; social attitudes; group dynamics; intergroup relations; class and cultural influences. Pre: 100 or 111.
Daily 8:45-10:00

424 Abnormal Psychology (3)  G. W. Albee
Nature and causes of psychoneuroses and psychoses; abnormalities of intelligence; psychotherapy. Pre: 100 or 111.
Daily 11:35-12:50

428 Social Development of Children (3)  Staff
Survey of the socialization process and acquisition of social behavior. Pre: 320.
Daily 10:10-11:25

430 Complex Human Learning (3)  K. A. Minke
Extension of principles of learning (theory and research) to significant functional human behavior. Principles and methods of experimental psychology of learning, and findings of behavioral sciences, used to constitute a general conception of human behavior basic to various areas of study. Pre: 100 or 111.
Daily 11:35-12:50

435 Psychology of the Unconscious (3)  D. W. MacKinnon
Nature and role of unconscious psychological processes in behavior.
Daily 8:45-10:00

665 Cross-Cultural Psychology (3)  A. Marsalla
Theories of psychology and their application to cross-cultural phenomena; assessment of cross-cultural processes and social motivation; culture and personality; evaluation and design of cross-cultural research.
Daily 10:10-11:25

676 Behavior Assessment (3)  P. B. Koons
Principles and methods of assessing behavior, such as direct observation, interviewing, psychological examination. Pre: 675 or consent of instructor.
Daily 7:20-8:35

700(4) Seminar: Experimental (3)  L. E. Bourne
Problems in experimental psychology.
Daily 10:10-11:25

700(5) Seminar: Physiological (3)  R. S. Feldman
Current research in psychopharmacology and neuro-psychopharmacology.
Daily 7:20-8:35

700(6) Seminar: Personality (3)  D. W. MacKinnon
Psychology of creativity.
Daily 11:35-12:50

700(10) Seminar: Clinical (3)  G. W. Albee
Professional and ethical issues.
Daily 8:45-10:00
PUBLIC HEALTH (PH)

765 Advanced Seminar in Special Public Health Education Problem (2)  J. Grossman
Current research implications for educational activity in newly emerging fields of public health interest, e.g., family planning, community mental health, accidental injury prevention, home care. Content varies with student needs and interests and availability of literature. May be repeated for credit. Pre: consent of instructor. Hrs. arr.

791 Advanced Public Health Practice (3)  Staff
Open only to public health degree candidates. Hrs. arr.

792 Seminar in Public Health (arr.)  Staff
Advanced seminar in selected public health topics. Pre: consent of instructor. Hrs. arr.

799 Directed Reading/Research (arr.)  Staff
Pre: consent of instructor. Hrs. arr.

800 Thesis Research (arr.)
Pre: consent of instructor.

RELIGION (Rel)

150 Introduction to the World's Religion (3)  R. Bobilin
Introduction to world's living religions—Hinduism, Buddhism, Shinto, Confucianism, Taoism, Judaism, Christianity, Islam. Daily 1:10-2:25

151 Religion and the Meaning of Existence (3)  F. Seifert
Introduction to basic ideas and issues of contemporary religious thought as related to the question "What is the meaning of existence?" Daily 7:20-8:35

201 Understanding the New Testament (3)  F. Seifert

484 Asian Religions and Social Change (3)  R. Bobilin
Study of the interrelationship of society, and religion in Asia. Emphasis on roles of traditional elites, heterodox religious movements, effects of modernization and secularization and religious organization, socio-religious movements in the developing countries. Daily 8:45-10:00

RUSSIAN (Rus)

101 Elementary Russian (4)  Staff
Intensive course in conversation, grammar, reading, writing. Language lab practice required daily. Daily 7:20-8:35; 9:10-10:00 plus laboratory

201 Intermediate Russian (3)  Staff
SANSKRIT (Sansk)

461 Readings in Sanskrit Classical Literature (9)  
Jagannath  
Continuation of 352. Reading of classical texts with grammar review. Pre: 352 or equivalent.  
Daily 2:35-3:50

SOCIAL SCIENCES (SocSc)

301 Man in Society (3)  
F. W. Matson  
Some basic problems and processes of contemporary society, jointly examined by several social sciences.  
Daily 10:10-11:25

SOCIOLOGY (Soc)

Sociology 151 and 201 are equivalent introductory courses. 201 is specifically set up for juniors, seniors, or graduate students. Either course is a prerequisite to all advanced sociology courses.

151 Introduction to the Study of Society (3)  
O. Larsen  
Basic social relationships, norms, social structures, processes affecting social change. Not open to juniors or seniors.  
Daily 10:10-11:25

201 Principles of Sociology (3)  
F. Wegner  
Principles underlying organization of social groups, communities, institutions, and ecological structures; basic processes of socialization, collective behavior, and social change. Equivalent to 151, and open to juniors, seniors, and graduates only.  
Daily 8:45-10:00

350 Social Disorganization (9)  
G. Kassebaum  
Factors in community, institution, group disorganization; behavioral deviancy and social pathology, integrated approach to social problems.  
Daily 7:20-8:35

355 Criminology (3)  
G. Kassebaum  
Crimes and criminals; causative theories of criminality; institutional problems of apprehension, prosecution, incarceration, correction, rehabilitation.  
Daily 10:10-11:25

360 Personality and Culture (3)  
J. Kinch  
Origin and development of personality as subjective aspect of culture; function of communication; human nature and the mores; personal life organization.  
Daily 11:35-12:50

370 Social Change (3)  
T. Wittermans  
Structural-functional organization. Impact of technology on institutions, value orientation, power structures, systems of roles and stratification.  
Daily 7:20-8:35

399 Directed Reading (arr.)  
Limited to senior majors with 2.7 grade-point ratio, or 3.0 grade-point ratio in sociology. Hrs. arr.

426 People and Institutions of Japan (3)  
T. Ishida  
Social structure and social change in contemporary Japan. Special attention to family, stratification, mobility.  
Daily 8:45-10:00
441  The Family (3)  H. Ball
Culturally distinctive family types as background for analysis and interpretation of the American family.
Daily 11:35-12:50

443  Sociology of Religion (2)  T. Wittermans
Structure, function, dynamics of religion in various types of society.
Daily 9:10-10:00

445  Sociology of Education (3)  T. Ishida
Institutionalization of socialization and allocation processes. Transmission of cultural styles and values; social organization of classrooms, schools, school systems and their intersection with other social institutions; careers of students and teachers.
Daily 11:35-12:50

449  Social Stratification (3)  F. Wegner
Analysis of social class; local and national stratification patterns; social mobility in industrial and non-industrial societies.
Daily 10:10-11:25

450  Race and Culture Contacts in Hawaii (3)  G. Yamamoto
Dominant conceptions of race and race relations; analysis of factors affecting them. Problems in a commercial and plantation frontier.
Daily 8:45-10:00

465  Sociology of Small Groups (3)  J. Kinch
Practical application of theories and research findings involving face-to-face relations; leadership, prestige, group morale.
Daily 8:45-10:00

470  Collective Behavior and Social Movements (3)  J. Short
Elementary forms of collective behavior; crowds, publics, mass behavior; social movements, their development and relation to social change, with special emphasis on the sociology of violence.
Daily 11:35-12:50

491  Sociological Theory (3)  H. Ball
History of sociology as reflected in writings from early Greek thought to modern authors such as Durkheim, Pareto, Simmel, Parsons, Merton.
MWF 1:10-3:15

730(1)  Seminar in Social Disorganization (3)  J. Short
Theory and research in social disorganization; institutionalization of criminals and juvenile delinquents. (1) Deviant behavior, (2) juvenile delinquency and criminal behavior, (3) penology. Pre: consent of instructor.
MW 1:00-4:10

741  Seminar in Culture and Communication (3)  O. Larsen
Theories of communication; interaction between oral traditions, the press and audio-visual mass media in cultural context. Pre: consent of instructor.
TTh 1:00-4:10

799  Directed Research (arr.)
Pre: graduate standing; consent of instructor.
Hrs. arr.
SPANISH (Span)

101 Elementary Spanish (4)
(3 sections)
Intensive beginning course, primarily emphasizing oral practice. Two classes and two lab sessions required daily.
Daily (1) 7:45-8:35; 8:45-10:00 plus laboratory
(2) 9:10-10:00; 10:10-11:25 plus laboratory
(3) 10:10-11:25; 11:35-12:25 plus laboratory

102 Elementary Spanish (4)
Continuation of 101. Two classes and two lab sessions required daily.
Daily 9:10-10:00; 10:10-11:25 plus laboratory

201 Intermediate Spanish (3)
(2 sections)
Continuation of oral practice, with increasing emphasis on reading and written composition. One class and two lab sessions required daily.
Daily (1) 8:10-9:25 plus laboratory
(2) 10:10-11:25 plus laboratory

202 Intermediate Spanish (3)
Continuation of 201. One class and two lab sessions required daily.
Daily 11:35-12:50 plus laboratory

300 Oral Spanish for Teachers (3)
Intensive oral practice designed to improve pronunciation and to increase oral fluency, breadth of vocabulary and accuracy of grammatical usage. Pre: consent of instructor.
Daily 10:10-11:25

303 Advanced Grammar and Composition (3)
More detailed study of problem areas of Spanish grammar. Cultivation of accuracy and elegance.
Daily 10:10-11:25

330 Phonetics and Pronunciation Practice (2)
Analysis of Spanish phonological system, in contrast with English. Practice designed to perfect student's own pronunciation. Language lab practice required daily.
Daily 9:10-10:00 plus laboratory

431 The Structure of Spanish (3)
Phonological, morphological, and syntactic structure of contemporary Spanish, as analyzed by descriptive linguists. Pre: Ling 102 or equivalent and Span 202 or consent of instructor.
Daily 10:10-11:25

490 Hispano-Philippine Literature (2)
Study of important writers in Spanish from the Philippine Islands. Pre: 202 or equivalent.
Daily 7:45-8:35

697 Seminar in Spanish American Essay (3)
Studies in the 20th-century Spanish American essay on literary, sociological and political fields.
Daily 11:35-12:50
Speech-Communication (Sp)

101 Speech-Communication Processes (3)  S. Sanderson
Introduction to study of speech-communication through models of the process. Examination of major variables of source, message, medium, receiver and how their interaction affects speech-communication. Core requirement for majors in speech and education in lieu of 145. Pre: Speech Communication Center clearance. Daily 10:10-11:25

145 Expository and Persuasive Speaking (3)  N. Byers, E. Kunimoto, M. Meeske, R. Anderson, S. Sanderson, J. Owen
(10 sections)
Practice in systematic analysis of expository and persuasive ideas with instruction in their preparation for public discourse.
Daily (1) 7:20-8:35 (Byers)  (6) 10:10-11:25 (Meeske)
(2) 7:20-8:35 (Kunimoto)  (7) 10:10-11:25 Staff
(3) 7:20-8:35 (Anderson)  (8) 10:10-11:25 (Anderson)
(4) 8:45-10:00 (Kunimoto)  (9) 11:35-12:50 (Sanderson)
(5) 8:45-10:00 (Meeske)  (10) 11:35-12:50 (Owen)

211 General Phonology (3)  G. Richards
Dynamic phonology of American English. Systematic goal-oriented study of dialects in use. Modification of speech for particular purposes including pedagogy. Pre: ability to transcribe International Phonetic Alphabet according to established standard; or consent of instructor. Daily 10:10-11:25

221 Speech-Communication in the Management of Learning (3)  W. Hervey
Overview of principles of speech-communication management: message composition, media utilization and evaluation of speech-communication events, with special reference to problems of teaching-learning. Part of pre-service or in-service preparation of teachers; not intended for majors in speech-communication. Pre: 101 or 145. Daily 7:20-8:35

231 Reading Aloud (3)  L. Breneman, G. Richards
(2 sections)
Principles of interpretative reading. Practice in textual analysis and in transmitting intellectual and aesthetic content of literature. Pre: 101 or 145. Daily (1) 7:20-8:35 (Richards)
(2) 8:45-10:00 (Breneman)

251 Public Speaking (3)  J. L. Owen

333 Storytelling (2)  L. N. Breneman
Esthetic communication through storytelling for entertainment and education. Oral tradition; analysis of story types; techniques of preparation and presentation; performance. Daily 10:10-11:00

352 Group Speech-Communication (3)  T. A. Welden
Study of discussion within context of small group. Effects of variables such as group organization, leadership, membership, goals on how group attempts to achieve its purpose. Pre: 101 or 145. Daily 11:35-12:50
434 Advanced Interpretative Reading (3)  
Staff
Problems in selected literary forms; development and arrangement of programs; introduction to group interpretation; individual and group reports and performances. Pre: 231, Eng 151, or consent of instructor. 
Daily 1:10-2:25

469 World Broadcasting (3)  
K. S. Sitaram
A comparative analysis of broadcasting systems in the world and radio and television communication between countries and cultures. 
Hrs. arr.

491 Semantics (3)  
P. J. Heinberg
Understanding language; verbal meaning and implication; roles of perception and assumption (inference and judgment) in human relationships. 
Daily 8:45-10:00

613 Experimentation in Language Acquisition and Modification (3)  
W. D. Hervey
Problems in language acquisition and modification. Use of equipment designed to aid language acquisition. Creation of language-learning materials. Innovation of special techniques for different language-learning situations. Pre: 305, 406, or 602, or equivalents. 
Hrs. arr.

784 Seminar in Intercultural Speech-Communication (3)  
K. S. Sitaram
Focus on the major variables of speech-communication in an intercultural context. Linguistic and non-verbal factors. Possibilities for training in intercultural, face-to-face communication roles. Pre: 101 and at least one course in cultural anthropology, or permission of instructor. 
Hrs. arr.

SPEECH PATHOLOGY AND AUDIOLOGY (SPA)

300 Introduction to Speech Correction (3)  
E. G. Ritter
Survey of field of speech correction; study of defective articulation, delayed speech, voice problems, cleft palate, cerebral palsy, stuttering, language disorders. 
Daily 8:45-10:00

301 Introduction to Audiology (3)  
G. Pang-Ching
Basic concepts: psychoacoustics, anatomy and physiology, measurement of hearing; rehabilitation of hard-of-hearing. 
Daily 7:20-8:35

410 Practicum in Speech Pathology (1-2)  
E. G. Ritter
Clinical practice in use of diagnostic procedures and rehabilitation techniques. Pre: 302 or equivalent. 
Hrs. arr.

411 Practicum in Audiology (1-2)  
G. Pang-Ching
Clinical practice in testing of hearing, hearing conservation, auditory training, speech reading, speech correction and conservation. Pre: 303 or equivalent. 
Hrs. arr.

613 Language Development for Children with Hearing Deficiencies (3)  
P. Muir
Language acquisition by hard-of-hearing and deaf children; methods of stimulating growth; demonstration of methods with various age groups. 
Daily 10:10-11:25
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor(s)</th>
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<tbody>
<tr>
<td>701</td>
<td>Advanced Audiology (3)</td>
<td>M. Ansberry</td>
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<tr>
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<td>Instrumentation; selection of hearing aids; special tests of hearing, functional vs. organic hearing, dysfunction.</td>
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<td>Daily 11:35–12:50</td>
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<tr>
<td>710</td>
<td>Advanced Practicum in Speech Pathology (1–2)</td>
<td>E. G. Ritter</td>
</tr>
<tr>
<td></td>
<td>Clinical practice in diagnostic and therapeutic procedures; emphasis placed upon complex problems such as delayed speech, language problems, aphasia, stuttering.</td>
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<td>Hrs. arr.</td>
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<tr>
<td>711</td>
<td>Advanced Practicum in Audiology (1–2)</td>
<td>G. Pang-Ching, P. Muir</td>
</tr>
<tr>
<td></td>
<td>Clinical practice in administering special tests; interpretation of audiograms; selection of hearing aids; counseling of individuals with impaired hearing; use of varied rehabilitation techniques.</td>
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<td>Hrs. arr.</td>
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<tr>
<td>799</td>
<td>Research (2–3)</td>
<td>Staff</td>
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<td>Designed primarily for graduate students in the non-thesis program; (1) Speech Pathology; (2) Audiology.</td>
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<tr>
<td></td>
<td>Hrs. arr.</td>
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<tr>
<td>800</td>
<td>Thesis Research (8)</td>
<td>M. Ansberry</td>
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<td></td>
<td>(2) Audiology.</td>
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<td>Hrs. arr.</td>
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**TAGALOG (Tag)**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor(s)</th>
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<tbody>
<tr>
<td>111</td>
<td>Intensive Elementary Tagalog (6)</td>
<td>F. Pe Benito</td>
</tr>
<tr>
<td></td>
<td>Intensive course equivalent to Elementary Tagalog in academic year. Includes all four skills: listening, speaking, reading, and writing. In addition to 25 hours a week of class work for 6 weeks, two periods of laboratory drills are required daily.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Daily 7:45–10:00; 12:30–2:25 plus laboratory</td>
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**THAI (Thai)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor(s)</th>
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</thead>
<tbody>
<tr>
<td>111</td>
<td>Intensive Elementary Thai (6)</td>
<td>T. Getbing</td>
</tr>
<tr>
<td></td>
<td>Intensive course equivalent to Elementary Thai in academic year. Includes all four skills: listening, speaking, reading, and writing. In addition to 25 hours a week of class work for 6 weeks, two periods of laboratory drill required daily.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Daily 7:20–10:00; 12:30–2:25 plus laboratory</td>
<td></td>
</tr>
<tr>
<td>112</td>
<td>Intensive Intermediate Thai (6)</td>
<td>S. Alexander</td>
</tr>
<tr>
<td></td>
<td>Intensive course equivalent to Intermediate Thai in academic year. Includes all four skills: listening, speaking, reading, and writing. In addition to 25 hours a week of class work for 6 weeks, two periods of laboratory drill required daily.</td>
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<tr>
<td></td>
<td>Daily 7:45–9:35; 1:10–3:50 plus laboratory</td>
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**VIETNAMESE (Viet)**

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Instructor(s)</th>
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<tbody>
<tr>
<td>111</td>
<td>Intensive Elementary Vietnamese (6)</td>
<td>S. O'Harrow</td>
</tr>
<tr>
<td></td>
<td>Intensive course equivalent to Elementary Vietnamese in academic year. Includes all four skills: listening, speaking, reading, and writing. In addition to 25 hours of class work for 6 weeks, two periods of laboratory drill required daily.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Daily 7:20–10:00; 12:30–2:25 plus laboratory</td>
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</tr>
</tbody>
</table>
112 Intensive Intermediate Vietnamese (6)  Staff
Intensive course equivalent to Intermediate Vietnamese in academic year. Includes four skills: listening, speaking, reading, and writing. In addition to 25 hours of class work for 6 weeks, two periods of laboratory drill required daily.
Daily 7:45–9:35; 1:10–3:50 plus laboratory

ZOOLOGY (Zool)

420 Embryology (4)  S. Haley
Descriptive and analytical embryology of selected vertebrates and invertebrates.
Daily 10:30–12:20  Lab MTWThF 1:30–4:20

680 Directed Research (arr.)
Directed research and reading in various fields of zoology.
Hrs. arr.

715 Topics in Invertebrate Zoology (3)  R. E. Kane, M. G. Hadfield
Advanced descriptive and experimental studies of the development of marine invertebrate animals: Pre: advanced graduate standing and permission of instructor.
Daily 8:00–5:00
SECOND TERM    July 28—September 5

AGRICULTURE, TROPICAL

Agriculture (AG)

299    Agricultural Practice (I)      S. Goto
399    Agricultural Thesis (arr.)    Staff
510    Agricultural Education (3)    S. Goto
Open to voag and biological science teachers, senior ag students by permission.

Agricultural Economics (AEc)

399    Directed Study (arr.)          Staff
Limited to exceptional undergraduate students who are qualified to carry on advanced
study. Pre: consent of instructor.
699    Directed Research (arr.)       Staff

Agricultural Engineering (AE)

699    Directed Research (arr.)       Staff

Agronomy (Agron)

699    Directed Research (arr.)       Staff

Animal Sciences (An Sc)

699    Directed Research (arr.)       Staff
800    Research (arr.)                Staff

Entomology (En to)

399    Directed Research (arr.)       Staff
Limited to participants in National Science Foundation Undergraduate Research
Participation Program and to exceptional undergraduate students who are qualified to
carry on research problems.
699    Directed Research (arr.)       Staff

Food Science (Fd Sc)

699    Directed Research (arr.)       Staff
799    Directed Research (arr.)       Staff
Horticulture (Hort)
699 Directed Research (arr.) Staff

Plant Pathology (PPath)
699 Directed Research (arr.) Staff

Soil Science (Soils)
699 Directed Research (arr.) Staff
799 Directed Research (arr.) Staff

Food and Nutritional Sciences (FN)
499 Directed Reading and Research (arr.) Staff

Food Service Administration (FSA)
499 Directed Reading and Research (arr.) Staff

Nutrition (Nutr)
699 Directed Reading and Research (arr.) Staff

AMERICAN STUDIES (Am St)

475 American Taste (3) A. Gowans
Study of popular attitudes towards the arts, travel, fashions, craft, and industrial productions, and recreation. Past will be used to explain present.
Daily 10:10-11:25

490 Special Topics (3) A. Gowans
Problems of American life, generally with emphasis on contemporary relevance.
Daily 11:35-12:50

799 Directed Research (3) Staff
Pre: graduate standing; consent of instructor.
Hrs. arr.

ANTHROPOLOGY (Anth)

150 Introduction to Anthropology (3) T. S. Newman
Human evolution; prehistoric development of culture; recent and contemporary man, common features and principal variations in cultural behavior.
Daily 8:45-10:00
ART (Art)

106 Elementary Studio—Sculpture (3) M. Belshe
Daily 1:10–5:00 (4 weeks) July 28–August 22

253 Sculpture (3) M. Sato
Study of form and structure, using variety of materials and techniques. Seminars.
Daily 8:45–12:35 (4 weeks) July 28–August 22

ASIAN AND PACIFIC LANGUAGES (AP)

690 Directed Reading (arr.) Staff
Directed reading of advanced text written in one of the Asian and Pacific languages. Pre: consent of instructor.

BOTANY (Bot)

399 Botanical Problems (arr.) Staff
699 Directed Research (arr.) Staff
799 Directed Research (arr.) Staff

BUSINESS ADMINISTRATION

Graduate Courses

Bus 605 Behavioral Science for Business (3) Staff
Analysis of social and cultural forces that change the environmental context for management decision-making. Business problems derived from changing patterns of life examined in terms of social sciences, such as: anthropology, psychology, and sociology.
TTh 6:15–9:35 p.m.

Bus 615 Quantitative Methods for Business (3) K. Sasaki
Mathematical methods and techniques of statistical inference used in business.
TTh 6:15–9:35 p.m.

Bus 630 Finance (3) J. O’Brien
TTh 6:15–9:35 p.m.

BEc 792 Current Economic Problems (3) J. Bicksler
Study of modern issues and problems in business economics. Topics may vary from term to term.
MW 6:15–9:35 p.m.

Fin 702 The Financial System (3) J. O’Brien
Major financial institutions of U. S. economy; their inter-relationships; their importance in facilitating economic activity.
MW 6:15–9:35 p.m.
PIR 741 Problems in Organizational Health (3)  Staff
Analysis of selected internal and external problems involving human resources in management within context of complex situations.
MW 6:15-9:35 p.m.

Accounting (Acc)

201 Elementary Accounting (3)  J. Cashin
Theory and practice of income determination and asset valuation. Preparation and analysis of statements; uses for decision making. Pre: sophomore standing.
MWF 7:45-9:30 Laboratory (1) and (2) TTh 7:45-9:30

202 Elementary Accounting (3)  J. Cashin
Theory and practice of income determination and asset valuation. Preparation and analysis of statements; uses for decision making. Pre: Acc 201.
MWF 9:40-11:25 Laboratory (1) and (2) TTh 9:40-11:25

302 Intermediate Accounting (3)  J. Trine
Critical examination of generally accepted accounting principles as applied to preparation and use of financial statements. Pre: Acc 301.
Daily 11:35-12:50

350 Advanced Accounting (3)  J. Trine
Consolidated statements, fiduciaries, other special problems of accounting. Pre: Acc 302.
Daily 8:45-10:00

Business Analysis and Statistics (BAS)

111 Applied Mathematics (3)  El-Ramly
Application of mathematical operations to problems in business and economics; linear equations; progressions; theory of sets and functions; elementary matrix notation; differential and integral calculus (including partial differentiation, maxima and minima, and Lagrange multiplier techniques). Pre: Math 134.
Daily 10:10-11:25

301 Business Statistics (3)  Sasaki
Principles of statistical inference including frequency distribution, averages, variation, testing hypotheses, estimation of population mean, index numbers, time series, correlation, probability, sampling, chi square and F distribution, analysis of variance. Utilization of statistical data as an aid to managerial decisions.
Daily 10:10-11:25

302 Business Statistics (3)  Shin
(2 sections)
Principles of statistical inference including frequency distribution, averages, variation, testing hypotheses, estimation of population mean, index numbers, time series, correlation, probability, sampling, chi square and F distribution, analysis of variance. Utilization of statistical data as an aid to managerial decisions.
Daily (1) 7:20-8:35 (2) 10:10-11:25

315 Electronic Data Processing for Business (3)  Cougar
Computers and their memories, inputs and outputs, punched card layouts, possibilities for calculation and decision, program coding, report writing.
Daily 8:45-10:00
Business Economics (BEc)
Economics 150 is prerequisite to all other courses.

303 Money, Credit and the Capital Market (3) Cochran
Nature and functions of money, debt and credit, liquidity; financial institutions and money market analysis; fund flow analysis.
Daily 8:45–10:00

342 Managerial Economics II (3) El-Ramly
Working concepts and case studies relating to demand analysis and production analysis; problems of demand creation, multifactors and multiproducts, technological change; cases involving working capital, financing and capital budgeting; input-output analysis and programming techniques. Pre: 341.
Daily 7:20–8:35

361 Foreign Trade and American Industry (3) Kirkpatrick
Introduction to world trade, its development and current status, study of foreign trade principles, including international commercial problems and policies, tariff policies, and exchange controls that affect exporting and importing industries.
Daily 8:45–10:00

Law (Law)

300 Principles of Business Law (3) D. Bury
American system of jurisprudence, elements of torts, criminal law, property trusts and estates, law of contracts and agency.
Daily 10:10–11:25

Personnel and Industrial Relations (PIR)

300 Personnel and Labor Relations (3) Staff
Introduction to labor and trade unionism; introduction to personnel management principles and practices.
Daily 8:45–10:00

Travel Industry Management (TIM)

301 Hotel Management Principles (3) J. Cox
Basic management functions: planning, controlling, organizing, staffing, directing; emphasis on human factors and quantitative analysis in developing sound philosophy of management. Critical evaluation of current practices in business firms. Emphasis on principles as they affect hotel, restaurant, tourism industries.
Daily 8:45–10:00

CHEMISTRY (Chem)

399 Directed Research (arr.) Staff
Pre: consent of department chairman.
Hrs. arr.

799 Directed Research (arr.) Staff
Pre: consent of department chairman.
Hrs. arr.
<table>
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<th>Course Code</th>
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<th>Instructor</th>
<th>Description</th>
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</table>
| 112         | Intensive Intermediate Chinese (6)              | Staff      | Intensive course equivalent to Intermediate Chinese in academic year. Includes all four skills: listening, speaking, reading, and writing. In addition to 25 hours of class work a week for 6 weeks, two periods of laboratory drill daily required. Pre: consent of instructor.                         | Daily (1) 7:20-10:00; 1:35-3:25 plus laboratory  
              |                                                  |            | (2) 7:20-10:00; 1:35-3:25 plus laboratory                                                                                          |       |
| 202         | Intermediate Chinese (4)                         | Staff      | Continuation of 201; equivalent of second semester's work in academic year. Language lab practice required daily.                                                                                                                                  | Daily 9:10-11:25 plus laboratory                                           |
| 302         | Third-Level Chinese (3)                          | Staff      | Continuation of 301; equivalent of second semester's work in academic year. Language lab practice required daily.                                                                                                                                  | Daily 8:45-10:00 plus laboratory                                           |
| 362         | Chinese Literature in Translation—Modern (3)     | L. C. Winters | Historical survey from 1842 to present, with emphasis on analysis. Knowledge of Chinese not required. Pre: two semesters of literature in English department.                                                                                           | Daily 1:10-2:25 |
| 402         | Fourth-Level Chinese (3)                         | Staff      | Continuation of 401; equivalent of second semester's work in academic year. Language lab practice required daily.                                                                                                                                  | Daily 10:10-11:25 plus laboratory                                         |
| 404         | Accelerated Fourth-Level Chinese (6)             | Staff      | In one semester content of 401-402 covered. Pre: consent of instructor.                                                                                                                | Daily 8:45-10:00; 10:10-11:25 plus laboratory                               |
| 436         | Introductory Classical Chinese (3)               | Staff      | Continuation of 435; equivalent of second semester's work in academic year.                                                                                                                  | Daily 2:25-3:50 |
| 452         | Structure of Chinese (3)                         | K. Them    | Continuation of 451; equivalent of second semester's work in academic year.                                                                                                                                                       | Daily 1:10-2:25 |

**ECONOMICS (Econ)**

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<tbody>
<tr>
<td>120</td>
<td>Introduction to Economics (3)</td>
<td>Staff</td>
<td>One-semester course for non-majors. Provides general understanding of functioning of economic systems, including various approaches to organization of production and allocation of resources, and of policies designed to achieve national economic goals.</td>
<td>Daily 8:45-10:00</td>
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<tr>
<td>150</td>
<td>Principles of Economics (3)</td>
<td>Pollock</td>
<td>Analysis of functioning of economic systems with emphasis on forces determining levels and changes of national income and employment. Describes basic economic institutions, e.g., markets, money, banks, labor organizations, corporations.</td>
<td>Daily 8:45-10:00</td>
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</tbody>
</table>
151 Principles of Economics (3) McLeod
Analysis of how commodity and factor prices are determined. Discusses policies for efficient allocation of scarce resources. Required of all economics majors.
Daily 11:35–12:50

300 Intermediate Economic Theory: National Income (3) Yeh
Concepts; determination of income, employment, price levels; effects of fiscal, monetary, other policies. Pre: 150.
Daily 8:45–10:00

301 Intermediate Economic Theory: Price Theory (3) Cooper
Price determination and resource allocation under competition, monopoly, oligopoly, monopolistic competition. Theories of demand, cost, partial, general equilibrium. Pre: 151.
Daily 10:10–11:25

321 Elementary Statistics (3) Staff
Basic elements of statistics, with emphasis on application: graphic presentation, logarithmic scales, rates and ratios, time series analysis, index numbers, regression and correlation analysis.
Daily 11:35–12:50

340 Money and Banking (3) Staff
Nature and role of money; development of national and international monetary standards; role of commercial banking and financial intermediaries; development and function of central banking. Pre: 150.
Daily 10:10–11:25

421 Statistical Methods in Economic Analysis (3) Goldberger
Daily 8:45–10:00

424 Econometrics (3) Cooper
Review of matrix algebra and basic concepts of linear regression models, economic model building, errors in variables, systems of single and simultaneous equations and problems of autocorrelation, collinearity and identification. Pre: 421.
MW 1:10–4:10

460 International Trade Theory (3) Yeh
Theoretical, institutional and historical aspects of international economic relations considered, including foreign exchange rates, balance of payments adjustment, tariffs, quotas, trading blocs. Pre: 300, 301.
Daily 11:35–12:50

462 International Economic Policy (3) Comitini
Problem areas of contemporary interest, such as causes and effects of recent U.S. gold losses, drive for trade liberalization, impact of Common Market, etc. Pre: 460.
TTh 1:10–4:10

601 Microeconomic Theory (3) Staff
Rigorous analysis of consumer’s choice, pricing of products and factors of production under competitive conditions, partial and general equilibrium, monopoly and imperfect competition, risk and uncertainty, and capital theory. Pre: 301.
TTh 1:10–4:10

624 Econometrics I (3) Goldberger
Probability theory and statistical inference for time series analysis. Construction and testing of econometric models. Pre: 424 or consent of instructor.
MW 1:10–4:10
627  Economic Programming (3)
   Chau
   Application of input-output analysis, linear programming, and macro-economic
   models to problems of economic development and planning. Pre: 420 or consent of
   instructor.
   TTh 1:10–4:10

699  Directed Research (Econometrics) (arr.)
   Goldberger
   Pre: consent of department chairman.

EDUCATION

Curriculum and Instruction (Ed CI)

The following courses have as prerequisite enrollment in the College of Education as
classified student or permission of the department chairman: 312–321, 329–345.

312(5)  Foundations in Curriculum and Instruction: Elementary Education (3)
   Reddin
   Study of objectives and organization of school's curriculum; discussion of principles
   Daily 7:45–9:40  July 28–August 22

312(10) Foundations in Curriculum and Instruction: Secondary Education (3)
   Fultz
   Study of objectives and organization of school's curriculum; discussion of principles
   Daily 7:45–9:40  July 28–August 22

319  Children's Literature (2)
   Reddin
   Acquaintance with wide range of children's books; criteria for judging literature on
   basis of needs and interests. Pre: 312 or concurrent registration.
   Daily 10:10–11:25  July 28–August 22

320  Language Arts, Elementary (2)
   Modern approach to teaching of language arts—reading, oral, written expression.
   Pre: 312 or concurrent registration.
   Daily 8:45–10:00  July 28–August 22

321  Reading, Elementary (2)
   Survey of reading process: development of reading readiness, word recognition, com-
   prehension, reading rate, vocabulary, reading interests, reading in content areas.
   Selection and use of reading materials, evaluation and appraisal of reading progress.
   Daily 10:10–11:25  July 28–August 22

325  Trends in the Teaching of Elementary Mathematics (2)
   Adachi
   Mathematical content necessary for effective use of newer approaches; nature of
   number systems; introduction to theory of numbers; basic concepts of algebra; founda-
   tions in geometry. (Open for credit to students who took elementary math methods
   prior to September 1962.) Pre: 312 or concurrent registration and teaching expe-
   rience.
   Daily 8:45–10:00  July 28–August 22

329  Creative Expression in Elementary Education (3)
   Hayes
   Development of communication skills through creative dramatics, rhythmic move-
   ment, and related arts. Pre: 312 or concurrent registration, or consent of instructor.
   Daily 7:45–9:40  Lab TTh 9:40–10:10  July 28–August 22
331 Teaching of Reading in Intermediate and High School (2) R. Shafer
  Techniques and materials for teaching reading and improving reading skills in inter-
  mediate and high school. Pre: 312 or concurrent registration.
  Daily 8:45–10:00 July 28–August 22

345 Literature for Adolescents (2) R. Shafer
  Literature for secondary school level; helping students appreciate significance and
  meaning of literature; materials suitable for varying levels of ability and interests.
  Daily 10:10–11:25 July 28–August 22

540(9) Practicum in Curriculum Development: Science (2) Carr
  Designed for teachers-in-service to upgrade subject matter and develop new teaching
  methods and materials for science instruction in grades 4–6 with special emphasis on
  the SCIS program. Opportunity for development of curriculum materials and methods
  by participating teachers. Pre: related undergraduate methods courses; teaching expe-
  rience. (Registration limited to 35 teachers.)
  Daily 8:00–12:00 August 18–29

597 Newspaper in the Classroom (2) E. Jenkins, B. Edwards
  Course with two aims: to help teachers teach about the newspaper—its role in the
  community, how news is gathered, how a paper is produced; and to help teachers
  use the newspaper effectively as a supplementary text for all grades and in all sub-
  ject areas. Pre: teachers with professional or provisional certificates.
  Daily 9:00 a.m. to 3:00 p.m. August 4–15

620 Teaching Reading in the Elementary School (3)
  (2 sections)
  Developmental and psychological aspects of the reading process, studying current
  Daily (1) 7:45–9:40 (2) 10:10–12:05 July 28–August 22

629 Curriculum Development in Creative Expression (3) Hayes
  Leadership training for teachers of creative dramatics, rhythmic movement, and
  related arts. Pre: 329 or consent of instructor.
  Daily 10:10–12:05 Lab TTh 9:40–10:10 July 28–August 22

643 Public School Curriculum for Physical Education (3) Chui
  Detailed examination of contents of adequate curriculum for physical education in
  public schools, K–12. Pre: 343, 636, HPE 203, or consent of instructor. (Identical
  with HPE 643.)
  Daily 8:00–9:55 July 28–August 22

699 Directed Research and Study (1)
  Limited to participants in the Business Education Methods Conference.
  Daily 8:00 a.m. to 4:00 p.m. August 4–8 Kapiolani Community College

Educational Foundations (Ed EF)

310 Foundations of American Education (3) Rust
  (2 sections)
  Contemporary educational theory and practice as related to major historical, philo-
  sophical, and social factors in American culture.
  Daily (1) 7:45–9:40 (2) 10:10–12:05 July 28–August 22
Educational Psychology (Ed EP)

EP 311 and 416 or their equivalents are prerequisites for all graduate courses in Educational Psychology.

408 The Emotionally Disturbed Child (3)
Study of behavioral characteristics, methods of identification and management of emotionally disturbed children in regular and special classes in public schools, private day schools, clinics, residential schools, and hospitals.
Daily 8:05–10:00 July 28–August 22

416 Tests and Measurements (3)
Theory and techniques of measurement and evaluation in education, including supervised experience in instrument development and analysis.
Daily 8:05–10:00 July 28–August 22

601 Guidance in the School (3)
Basic principles of guidance; consideration of techniques, organization, materials, resources.
Daily 10:10–12:05 July 28–August 22

605 Problems of School Adjustment (9)
(2 sections)
Principles of behavior affecting human relationships in school, with emphasis upon application to actual situations.
Daily (1) 8:05–10:00 (2) 10:10–12:05 July 28–August 22

Health and Physical Education (HPE)

Medical Clearance Requirement: For HPE courses numbered 101 through 163, 292 through 296, 333 through 337, and 433 through 434, a student is required to submit a medical clearance issued by the University of Hawaii Student Health Service no later than Friday, August 1, 1969. For the procedure to obtain this clearance, see p. 96.

103 Swimming: Beginning (1) Seichi
Adjusting to and immersing in water, floating, sculling; correct arm stroke, leg kick, breathing techniques and their coordination.
Daily 10:10–11:00

107 Tennis: Beginning (1) Rocker
(3 sections)
Rules, etiquette, grip, forehand and backhand strokes, serving, volleying; singles and doubles play.
Daily (1) 8:10–9:00 (2) 9:10–10:00 (3) 10:10–11:00

129 Folk and National Dances (I) Kaina
Popular dances of various national groups, including square dances.
Daily 10:10–11:00 July 28–August 22

162 Karate (1) Fajardo
(2 sections)
Rules, etiquette, basic stances, blocks, thrusts, kicks, ippon kumite, and selected kata. (Student must provide own gi.)
Daily (1) 10:10–11:00 (2) 11:10–12:00
Courses numbered 201 and above are not open to lower division students.

211 Methods and Materials of Aquatics and Life Saving (2) Seichi
Review of methods for teaching aquatic sports and review of skills of (A.R.C.) life saving. Considerable practical work in individual swimming and life saving techniques. Red Cross certificate may be earned. Pre: ability to swim 100 yards or consent of instructor.
Daily 11:10-12:25 July 28–August 22

232 Safety Procedures and Accident Prevention (2) Strasser
Understanding the fundamental principles and techniques of safety and accident prevention programming emphasizing school, home, public places, on the job and motor vehicle situations.
Daily 10:10–11:25 July 28–August 22

233 Physical Education: Elementary (3) Beamer
Content and methods for physical education in elementary school, emphasizing selection, planning, teaching, and evaluation of movement exploration and physical activities.
Daily 8:00–9:55 July 28–August 22

401 Current Trends in Health (3) Schwich
Critical analysis of current problems and trends in basic health education areas which contribute to healthful living in community, home and school. Pre: 201 or 202; consent of instructor; 302 desirable.
Daily 10:10–12:05 July 28–August 22

533 Physical Education and Child Development (3) Little
Conceptions of physical, social, emotional and intellectual growth and development of child as influenced by physical education. Pre: 203, 233, and Psy 320 or one year of elementary teaching experience; Ed CI 341 desirable.
Daily 10:10–12:05 July 28–August 22

643 Public School Curriculum for Physical Education (3) Chui
Detailed examination of contents of adequate curriculum for physical education in public schools, K–12. Pre: 203, Ed CI 343, Ed CI 636, or consent of instructor. (Identical with Ed CI 643.)
Daily 8:00–9:55 July 28–August 22

ENGINEERING

Civil Engineering (CE)

271 Applied Mechanics II (3) Staff
Dynamics of particles and rigid bodies; force acceleration, impulse-momentum, work-energy. Pre: 270, Math 206.
Daily 8:45–10:00

370 Mechanics of Materials I (4) Staff
Elastic stress-strain relationship and behavior of members under flexural, torsional, axial loading. Pre: 270.
Daily 8:45–11:00
General Engineering (GE)

109 Introductory Design & Graphical Analysis (3)  L. Drake
Use of graphical techniques for analysis of engineering problems; design project emphasizing creativity and presentation. Pre: 1 year of high school drawing or GE 61.
Daily 8:30-12:00

ENGLISH (Eng)

100 Expository Writing (3)  Staff
(6 sections)
A study of the principal steps in effective exposition—discovering, interpreting, and evaluating data through observation and reading; deciding upon an appropriate organizational plan; choosing a voice and style suitable to the writer’s audience and the occasion for writing—accompanied by practice in the analysis of expository pieces by professional writers.
Daily (1) 7:20-8:35 (4) 10:10-11:25
(2) 8:45-10:00 (5) 10:10-11:25
(3) 8:45-10:00 (6) 11:35-12:50

102 Expository Writing (3)  Staff
(6 sections)
Study and practice of argument and persuasion; assembling and organizing research materials; analysis and evaluation of one or two works of imaginative literature; introduction to study of prose style. Pre: 101 (102 in the Summer Session is not recommended for students who passed 101 with a grade of D, or who have taken 102 previously and received a grade of F).
Daily (1) 7:20-8:35 (4) 10:10-11:25
(2) 8:45-10:00 (5) 10:10-11:25
(3) 8:45-10:00 (6) 11:35-12:50

251 Major Works of British and American Literature (3)  M. Livingston
From the Middle Ages to 1800; an introductory course for sophomores.
Daily 10:10-11:25

252 Major Works of British and American Literature (3)  C. Embry
From 1800 to the present; an introductory course for sophomores.
Daily 8:45-10:00

253 World Literature: To the Renaissance (3)  W. Siverly
Major works of classical, Oriental, European and English literature.
Daily 8:45-10:00

254 World Literature: 1600 to the Present (3)  P. Thompson
Major works of classical, Oriental, European, American and English literature.
Daily 10:10-11:25

255 Types of Literature (3)  W. Denham
Practical criticism in the major genres of European and American literature. Short story, novel, literary essay, introduction to poetry (narrative).
Daily 11:35-12:50

256 Types of Literature (3)  L. LeDoux
Practical criticism in the major genres of European and American literature. Drama, biography, poetry.
Daily 7:20-8:35
309 Written Communication (3)  M. Lee, S. Hershinow  
(3 sections)  
Practice in informative, analytical, and persuasive writing. Open only to students in Business Administration and Home Economics. Pre: 102 and sophomore literature, or equivalent.  
Daily (1) 7:20–8:35 (Lee)  
(2) 8:45–10:00 (Hershinow)  
(3) 10:10–11:25 (Lee)  

331 Introduction to Poetry (3)  J. Frierson, P. Thompson  
(2 sections)  
Written and oral analysis of imagery, sound, language, form and structure of poems, leading to increased awareness of nature of poetry.  
Daily (1) 7:20–8:35 (Thompson)  
(2) 8:45–10:00 (Frierson)  

446 Shakespeare (3)  A. Friedson  
Shakespeare's plays from Hamlet through the last plays.  
Daily 10:10–11:25  

472 American Literature (3)  W. White  
A survey of American literature from the Civil War to the present.  
Daily 8:45–10:00  

780 Seminar in American Literature: Hemingway (3)  W. White  
Pre: consent of instructor.  
MWF 11:35–1:40  

790 The Teaching of Composition (3)  Larson  
Elements of rhetorical theory, followed by readings on the principles and practice of the teaching of composition in college and secondary school, with emphasis on new developments in curriculum and recent research findings. Practice in the construction of theme assignments, administration of assignments, annotation of themes, and the designing of courses in composition.  
Daily 9:00–11:30  August 4–22  

FRENCH (Fr)  

102 Elementary French (4)  
(2 sections)  
Continuation of 101. Two classes and two lab sessions required daily.  
Daily (1) 7:45–8:35; 8:45–10:00 plus laboratory  
(2) 9:10–10:00; 10:10–11:25 plus laboratory  

202 Intermediate (3)  
(2 sections)  
Continuation of 201. One class and two lab sessions required daily.  
Daily (1) 7:20–8:35 plus laboratory  
(2) 10:10–11:25 plus laboratory  

301 Phonetics and Pronunciation Practice (3)  
Analysis of French phonological system. Practice and laboratory drill designed to improve the student's pronunciation. Pre: 101 or two years of high school French.  
Daily 8:45–10:00  

312 Advanced Conversation and Composition (3)  
Continuation of 311.  
Daily 1:10–2:25  

361 French Civilization (3)  
Daily 11:35–12:50
GEOGRAPHY (Geog)

101 Elements of Physical Geography (3)  
Survey of man's natural environment; distribution and interrelationships of climates, vegetation, soils, and landforms. Laboratory problems in map interpretation and environmental analysis.  
Daily 11:35–12:25  
Laboratory (1) MW 1:10–4:00  
(2) TTh 1:10–4:00

102 World Regional Geography (3)  
C. A. Manchester  
Geography of the world's major cultural regions: emphasis on geographic aspects of contemporary economic, social, and political conditions.  
Daily 10:10–11:25

151 Economic Geography (3)  
J. Langdale  
Systematic study of patterns of economic activities; agriculture, mining and manufacturing, services and consumption. Elements of location theory, transportation and urban geography. Basic aspects of regional economic development and planning.  
Daily 8:45–10:00

326 Conservation and Utilization of Natural Resources (3)  
J. Schroeder  
Conservation and utilization of soil, water, mineral, and biotic resources. The role of man in changing the face of the earth. Contemporary problems in United States (especially Hawaii) and underdeveloped areas.  
Daily 8:45–10:00

335 Political Geography (3)  
J. Parsons  
Geographic background of international politics and national power. Case studies of problem areas and boundary problems.  
Daily 10:10–11:25

356 Geography of Southeast Asia (3)  
W. Edmundson  
Southeast Asia in the world economy. Human and physical resources basis and returns achieved by various methods of land utilization. National economies of continental and insular Southeast Asia, and the problems and prospects of modernization.  
Daily 11:35–12:50

368 Geography of Hawaii (3)  
A. Piianaia  
Regional, physical and cultural geography. Detailed study of the people and resources.  
Daily 7:20–8:35

399 Directed Reading (arr.)  
Hrs. arr.  
Staff

799 Directed Research (arr.)  
Hrs. arr.  
Staff

GEOSCIENCES (Geosc)

799 Directed Reading and Research (arr.)  
Hrs. arr.  
Staff

GERMAN (Ger)

101 Elementary German (4)  
Intensive course in conversation, grammar, reading, writing. Two classes and two lab sessions required daily.  
Daily 7:45–8:35; 11:35–12:50 plus laboratory
102 Elementary German (4)
(2 sections)
Continuation of 101. Two classes and two lab sessions required daily.
Daily (1) 7:45–8:35; 8:45–10:00 plus laboratory
(2) 10:10–11:25; 11:35–12:25 plus laboratory

201 Intermediate German (3)
Intensive course in conversation, grammar review, reading, composition. Pre: 102 or
the equivalent. Language lab practice required daily.
Daily 8:45–10:00 plus laboratory

202 Intermediate German (3)
Continuation of 201. Language lab practice required daily.
Daily 10:10–11:25 plus laboratory

HAWAIIAN (Haw)

102 Elementary Hawaiian (3) J. Ward, Staff
(2 sections)
Continuation of 101; equivalent of second semester's work in academic year. Lan­
guage lab practice required daily.
Daily (1) 1:10–2:25 plus laboratory (2) 1:10–2:25 plus laboratory

202 Intermediate Hawaiian (3) D. Johnson
Continuation of 201; equivalent of second semester's work in academic year. Lan­
guage lab practice required daily.
Daily 1:10–2:25 plus laboratory

HINDI (Hindi)

102 Elementary Hindi (3) J. Baumer
Continuation of 101; equivalent of second semester's work in academic year. Lan­
guage lab practice required daily.
Daily 1:10–2:25 plus laboratory

HISTORY (Hist)

151 World Civilization (3) J. Connors
A survey of the more significant political, social, economic, and intellectual factors
in the development of civilization of the world from the ancient Middle East, Greece
and Rome in the West, and the ancient cultures of China, Japan and India in the
East to the 17th century.
Daily 7:20–8:35

152 World Civilization (3) J. Connors
(2 sections)
Continuation of the history of world civilization from the 17th century to the
present day.
Daily (1) 10:10–11:25 (2) 11:35–12:50
282 Introduction to American History (3)  
Interpretive survey of U.S. history from 1877 to the present.  
Daily 11:35-12:50  
E. Barkan

402 History of South Asia, 1000 A.D. to Present (3)  
General historical survey of India, Pakistan, Ceylon.  
Daily 7:20-8:35  
J. P. Sharma

403 History of Indonesia (3)  
A survey of the Hinduist kingdoms, the Islamic states, the Dutch colony, and the current republic in the Indonesian archipelago.  
Daily 8:45-10:00  
J. de Casparis

408 Modern East Asia (3)  
Survey of the political, social, and economic history of East Asia from the mid-19th century.  
Daily 11:35-12:50  
H. Lamley

410 History of China Since 1600 (3)  
Course of Chinese civilization.  
Daily 1:10-2:25  
H. Lamley

138 The French Revolution (3)  
Emergence of the state of Louis XIV; 18th century ferment. Jacobins and the Convention; Robespierre; emergence of Napoleon. Analysis of historiography, theories of causation, nationalism will be stressed.  
Daily 11:35-12:50  
R. Ferguson

450 History of Modern Russia (3)  
Survey of development of Russian thought and institutions, and of territorial expansion in modern times. Impact of revolutionary changes.  
Daily 10:10-11:25  
R. Wade

462 The Young Republic: U.S. History 1789-1841 (3)  
Federalist decade, rise of Jeffersonianism. War of 1812, Age of Jackson.  
Daily 8:45-10:00  
E. Barkan

463 Crisis of the Union: U.S. History 1841-1877 (3)  
National expansion, sectional conflict; Civil War and Reconstruction.  
Daily 7:20-8:35  
E. Andrade

472 Diplomatic History of the United States (3)  
History of American foreign policy and diplomacy with emphasis on recent developments.  
Daily 10:10-11:25  
E. Andrade

655 Seminar in the History of Island Southeast Asia (3)  
Studies in histories of peoples and states of Malaysia, Indonesia and Philippines.  
Hrs. arr.  
J. de Casparis

799 Directed Research (arr.)  
Hrs. arr.  
Staff
### Indonesian (Ind)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Staff</th>
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<tbody>
<tr>
<td>112</td>
<td>Intensive Intermediate Indonesian (6)</td>
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<tr>
<td></td>
<td>Intensive course equivalent to Intermediate Indonesian in academic year. Includes all four skills: listening, speaking, reading, and writing. In addition to 25 hours of class work a week for 6 weeks, two periods of laboratory drill daily required. Daily 7:20–10:00; 12:30–2:25 plus laboratory</td>
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<tr>
<td>303</td>
<td>Accelerated Third-Level Indonesian (6)</td>
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<tr>
<td></td>
<td>Accelerated course equivalent to Third-Level Indonesian in academic year. Study of modern written texts. Introduction of Arabic script. Laboratory work. Pre: 204 or equivalent. Daily 8:45–10:00; 10:10–11:25 plus laboratory</td>
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</table>

### Japanese (Jap)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Staff</th>
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</thead>
<tbody>
<tr>
<td>102</td>
<td>Elementary Japanese (3)</td>
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<tr>
<td>112</td>
<td>Intensive Intermediate Japanese (6)</td>
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<tr>
<td></td>
<td>(2 sections) Intensive course equivalent to Intermediate Japanese in academic year. Includes all four skills: listening, speaking, reading, and writing. In addition to 25 hours a week of class work for 6 weeks, two periods of laboratory drill daily required. Pre: consent of instructor. Daily (1) 7:45–10:00; 12:35–3:25 plus laboratory (2) 7:45–10:00; 12:35–3:25 plus laboratory</td>
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</tr>
<tr>
<td>202</td>
<td>Intermediate Japanese (4)</td>
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<tr>
<td>302</td>
<td>Third-Level Japanese (3)</td>
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<tr>
<td></td>
<td>(2 sections) Continuation of 301; equivalent of second semester’s work in academic year. Language lab practice required daily. Daily (1) 11:35–12:50 plus laboratory (2) 11:35–12:50 plus laboratory</td>
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<tr>
<td>361</td>
<td>Japanese Literature in Translation—Traditional (3)</td>
<td>J. Araki</td>
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<td></td>
<td>Historical survey from earliest times to 1868, with emphasis on analysis. Knowledge of Japanese not required. Pre: two semesters of literature in English department. Daily 1:10–2:25</td>
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<tr>
<td>402</td>
<td>Fourth-Level Japanese (3)</td>
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<tr>
<td></td>
<td>Continuation of 401; equivalent of second semester’s work in academic year. Language lab practice required daily. Daily 11:35–12:50 plus laboratory</td>
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404 Accelerated Fourth-Level Japanese (6)  
Study of modern spoken and written Japanese involving complex structures, expressions, patterns, *tooyoo kanji*. In one session, content of 401-402 covered. Pre: 303 or equivalent.  
Daily 10:10-11:25; 11:35-12:50 plus laboratory

452 Structure of Japanese (3)  
Continuation of 451; equivalent of second semester's work in academic year.  
Daily 2:35-3:50

**KOREAN (Kor)**

112 Intensive Intermediate Korean (6)  
Intensive course equivalent to Intermediate Korean in academic year. Includes all four skills: listening, speaking, reading and writing. In addition to 25 hours of class work a week for 6 weeks, two periods of laboratory drill daily required.  
Daily 7:45-10:00; 12:30-2:25 plus laboratory

**LIBRARY STUDIES (LS)**

647 Management of Library Operations (9)  
Study of philosophies and techniques of scientific management and their application to library operations such as circulation, acquisition, and cataloging routines. Provides foundation in principal routines in libraries of all types and in theory and practice of scientific management which will enable students to analyze routines and, where necessary, to design improved methods for performance of library operations.  
Daily 7:45-9:00; 1:00-2:15 July 28-August 15

689 Service for Children and Young People (9)  
Pre: 615 Building Library Collections. Organization and provision of services from preschool through young adult years, considering both school and public libraries. Special attention to preparation of lessons in use of books and libraries.  
Daily 9:15-10:30; 2:30-3:45 July 28-August 15

**LINGUISTICS (Ling)**

102 Introduction to the Study of Language (8)  
Nature and workings of language; its role in culture and history.  
Daily 8:45-10:00

320 General Linguistics (9)  
Approaches, concepts, component areas of linguistics; its development as a science.  
Daily 10:10-11:25

699 Directed Research (arr.)  
Pre: graduate standing; consent of instructor.  
Hrs. arr.

750 Seminar (3)  
Reporting and discussion of current research in linguistics. Pre: consent of instructor. May be repeated.  
Daily 10:10-11:25
MATHEMATICS (Math)

100 Survey of Mathematics (3) Staff
(2 sections)
To acquaint the non-specialist with the position of mathematics in modern culture. Open to freshmen and sophomores who have not earned credit in 134 or above.
Daily (1) 7:20-8:35 (2) 8:45-10:00

111 Introduction to Mathematics (3) Staff
Study of structure and concepts of arithmetic. Primarily for Education majors.
Daily 7:20-8:35

201 Finite Mathematics (3) R. Griswold
Algebra of sets, elementary probability theory, vectors and matrices, linear programming, theory of games. Pre: 134 or equivalent.
Daily 8:45-10:00

232 Ordinary Differential Equations (3) C. Weinbaum
First order equations; linear equations with constant coefficients; systems of equations, Laplace transforms; applications. Pre: 231.
Daily 10:10-11:25

402 Partial Differential Equations (3) E. Groth
Daily 8:45-10:00

MUSIC (Mus)

160 Introduction to Music Literature (3) W. Pfeiffer
Orchestral literature from classical through modern period. From listener’s point of view.
Daily 8:45-10:00

170 Music in World Culture (3) W. Pfeiffer
Role of music in societies—ancient and modern, sophisticated and non-sophisticated, Western and non-Western, child and adult. Representative styles and regional characteristics.
Daily 10:10-11:25

452(44) Advanced Woodwind Methods: Bassoon (2) F. Uchima
Daily 10:10-11:00

NURSING (Nurs)

425 Nursing Leadership II (6) Iwata, Youd, Love
Study of the theoretical concepts basic to planning, organizing, implementing, and evaluating nursing care of individual and groups of patients and for understanding the role of the professional nurse on the nursing and health teams. Pre: Nursing Leadership I.
TTh 1:10-2:25 plus daily lab MWF 7:00-3:30; TTh 7:00-12:00
OCEANOGRAPHY (Ocean)

699 Directed Research (arr.)
Pre: consent of instructor.
Hrs. arr.

800 Thesis Research (arr.)
Pre: consent of adviser.
Hrs. arr.

PHILOSOPHY (Phil)

100 Introduction to Philosophy (3) Moore
Problems, methods, fields of philosophy.
Daily 8:45–10:00

210 Introduction to Logic (3) Wargo
Principles of modern deductive logic.
Daily 10:10–11:25

315 Ethical Theory (3) Moore
Comparative analysis of ethical theory in theological, legal, literary, scientific, social, as well as philosophical sources indicating relevance of ethical theory to process of decision making.
Daily 11:35–12:50

750 Seminar in Indian Philosophy (9) Saksena
Pre: 450; graduate standing; consent of instructor.
TTh 1:35–4:35

760 Seminar in Buddhist Philosophy (3) Nakamura
Pre: 460; graduate standing; consent of instructor.
MW 1:35–4:35

POLITICAL SCIENCE (PolSc)

355 Topics in Public Administration (3) Friedman
Development administration. Successful and unsuccessful attempts by governments in selected Asian countries to implement aspects of economic development, based on several models of development strategy, with particular attention to administrative behavior.
Daily 8:45–10:00

640 Comparative Government and Politics (3) Friedman
Political responses in selected Asian countries to several major issues, problems and trends, including type of social change, communication gaps, nationalistic pressures and meager economic resources.
Daily 11:35–12:50

PSYCHOLOGY (Psy)

100 Survey of Psychology (3) G. Tanabe
Principles of human behavior. Individual differences, motivation, emotion, perception, learning, etc.
Daily 8:45–10:00

110 Psychology of Adjustment (3) A. Arkoff
Daily 10:10–11:25
PUBLIC HEALTH (PH)

799 Directed Reading/Research (arr.)
Pre: consent of instructor.
Hrs. arr.

800 Thesis Research (arr.)
Hrs. arr.

RELIGION (Rel)

150 Introduction to the World's Religions (3) M. Aoki
Introduction to the world's living religions—Hinduism, Buddhism, Shinto, Confucianism, Taoism, Judaism, Christianity, Islam.
Daily 8:45–10:00

151 Religion and the Meaning of Existence (3) M. Gray
Introduction to basic ideas and issues of contemporary religious thought as they are related to the question, “What is the meaning of existence?”
Daily 10:10–11:25

201 Understanding the New Testament (3) M. Gray
Daily 7:20–8:35

RUSSIAN (Rus)

102 Elementary Russian (4)
Continuation of 101. Language lab practice required daily.
Daily 7:45–8:35; 8:45–10:00 plus laboratory

202 Intermediate Russian (3)
Continuation of 201. Language lab practice required daily.
Daily 10:10–11:25 plus laboratory

SANSKRIT (Sansk)

462 Readings in Sanskrit Classical Literature (3) Jagannath
Continuation of 461; equivalent of second semester's work in the academic year.
Daily 2:35–3:50

SOCIAL SCIENCES (SocSc)

302 Man in Society (3) F. W. Matson
Some basic problems and processes of contemporary society, jointly examined by several social sciences.
Daily 8:45–10:00
SOCIOMETRY (Soc)

Sociology 151 and 201 are equivalent introductory courses. 201 is specifically set up for juniors, seniors, or graduate students. Either course is a prerequisite to all advanced sociology courses.

151 Introduction to the Study of Society (3)  G. Barker
Basic social relationships, norms, social structures, processes affecting social change.
Not open to juniors or seniors.
Daily 8:45–10:00

201 Principles of Sociology (3)  G. Won
Principles underlying organization of social groups, communities, institutions, ecological structures; basic processes of socialization, collective behavior, social change.
Equivalent to 151; open only to juniors, seniors, graduates.
Daily 10:10–11:25

320 Race Relations (3)  J. Foster
Race relations in world perspective; typical situations; conflict and accommodation; caste; race prejudice; miscegenation; effects upon personality.
Daily 10:10–11:25

360 Personality and Culture (3)  L. Freeman
Origin and development of personality as subjective aspect of culture; function of communication; human nature and the mores; personal life organization.
Daily 10:10–11:25

410 Population and Society (3)  J. Foster
Society analyzed in terms of quantitative and qualitative aspects of population. Sociological aspects of birth and death rates, natural increase, mobility.
Daily 11:35–12:50

426 People and Institutions of Japan (3)  G. Yamamoto
Social structure and social change in contemporary Japan. Special attention to family, stratification, mobility.
Daily 8:45–10:00

447 Industrial Sociology (3)  G. Won
Daily 8:45–10:00

455 Juvenile Delinquency (3)  G. Barker
Nature and extent of juvenile delinquency; theories and research; sociology of correction.
Daily 7:20–8:35

721 Seminar in Political Sociology (3)  L. Freeman
An analysis of the problems and techniques involved in the study of community power structures.
TTh 1:00–4:10 p.m.

SPANISH (Span)

102 Elementary Spanish (4)  (2 sections)
Continuation of 101. Two classes and two lab sessions required daily.
Daily (1) 7:45–8:35; 8:45–10:00 plus laboratory
(2) 9:10–10:00; 10:10–11:25 plus laboratory

201 Intermediate Spanish (3)
Continuation of oral practice; with increasing emphasis on reading and written composition. Laboratory drill. Pre: 102 or equivalent.
Daily 9:10–10:25
202 Intermediate Spanish (3)
(2 sections)
Continuation of 201. One class and two lab sessions required daily.
Daily (1) 7:20–8:35 plus laboratory (2) 10:10–11:25 plus laboratory

304 Advanced Grammar and Composition (3)
Continuation of 303.
Daily 8:45–10:00

SPEECH-COMMUNICATION (Sp)

145 Expository and Persuasive Speaking (3) J. Yamada, L. Ekroth, D. Klopf, J. Hanns, W. Oxford
(10 sections)
Practice in systematic analysis of expository and persuasive ideas with instruction in their preparation for public discourse.
Daily (1) 7:20–8:35 Staff (6) 10:10–11:25 (Klopf)
(2) 7:20–8:35 Staff (7) 10:10–11:25 (Yamada)
(3) 7:20–8:35 Staff (8) 10:10–11:25 Staff
(4) 8:45–10:00 (Yamada) (9) 11:35–12:50 (Harms)
(5) 8:45–10:00 (Ekroth) (10) 11:35–12:50 (Oxford)

221 Speech-Communication in the Management of Learning (3) H. Ellingsworth
Overview of principles of speech-communication management: message composition, media utilization and evaluation of speech-communication events, with special reference to problems of teaching-learning. Part of pre-service or in-service preparation of teachers; not intended for majors in speech-communication. Pre: 101 or 145.
Daily 11:35–12:50

231 Reading Aloud (3) R. Rider, B. Byers
(2 sections)
Principles of interpretative reading. Practice in textual analysis and in transmitting intellectual and aesthetic content of literature. Pre: 101 or 145.
Daily (1) 8:45–10:00 (Rider) (2) 10:10–11:25 (Byers)

251 Public Speaking (3) D. Klopf
Adaptation of rhetorical theory to particular speakers, audiences, occasions. Extensive practice in planning and delivering speeches. Pre: 101 or 145.
Daily 8:45–10:00

333 Storytelling (2) R. Rider
Esthetic communication through storytelling for entertainment and education. Oral tradition; analysis of story types; techniques of preparation and presentation; performance.
Daily 10:10–11:00

491 Semantics (3) L. Ekroth
Understanding language; verbal meaning and implication; roles of perception and assumption (inference and judgment) in human relationships.
Daily 11:35–12:50

671 Speech-Communication in Control of Cognition (3) L. Harms
Research and research techniques in the facilitation via speech-communication of the learning and accessing of various types of meaningful verbal information. Pre: 305, 406, or equivalents.
Hrs. arr.

696 General Seminar (3) H. Ellingsworth
Significant topics and problems in speech. May be repeated.
Hrs. arr.
SPEECH PATHOLOGY AND AUDIOLOGY (SPA)

410 Practicum in Speech Pathology (1-2)  M. May
Clinical practice in use of diagnostic procedures and rehabilitation techniques. Pre:
302 or equivalent.
Hrs. arr.

710 Advanced Practicum in Speech Pathology (1-2)  M. May
Clinical practice in diagnostic and therapeutic procedures; emphasis placed upon
complex problems such as delayed speech, language problems, aphasia, stuttering.
Hrs. arr.

720-2 Seminar in Speech Pathology (3)  M. May
Study of functional disorders of speech.
Daily 8:45-10:00

TAGALOG (Tag)

112 Intensive Intermediate Tagalog (6)  F. Pe Benito
Intensive course equivalent to Intermediate Tagalog in the academic year. Includes the
four basic skills: listening, speaking, reading and writing. In addition to 25 hours of
class work per week during six weeks, two periods of laboratory drill required daily.
Daily 7:45-10:00; 12:30-2:25 plus laboratory

THAI (Thai)

112 Intensive Intermediate Thai (6)  T. Gething
Intensive course equivalent to Intermediate Thai in the academic year. Includes all
four skills: listening, speaking, reading, and writing. In addition to 25 hours of
class work per week during six weeks, two periods of laboratory drill required daily.
Daily 7:20-10:00; 12:30-2:25 plus laboratory

303 Accelerated Third-Level Thai (6)  S. Alexander
Continuation of 204; study of modern written texts. Laboratory work required daily.
Daily 8:45-10:00; 10:10-11:25 plus laboratory

VIETNAMESE (Viet)

112 Intensive Intermediate Vietnamese (6)  S. O'Harrow
Intensive course equivalent to Intermediate Vietnamese in academic year. Includes
four basic skills: listening, speaking, reading, and writing. In addition to 25 hours of
class work per week during six weeks, two periods of laboratory drill required daily.
Daily 7:20-10:00; 12:30-2:25 plus laboratory

303 Accelerated Third-Level Vietnamese (6)  Staff
Continuation of 112; study of modern written texts. Laboratory work required daily.
Daily 8:45-10:10; 10:10-11:25 plus laboratory
HILO CAMPUS

Art 223 Painting “A” (3)  
H. Droste  
Painting from studio and outdoor subject matter. Elements of pictorial style.

Art 224 Painting “B” (3)  
H. Droste  
Painting from identifiable sources; emphasis on expression and structure. Oil and related media. Pre: 223.

Ed CI 321 Reading, Elementary (2)  
H. Ikeda  
Survey of reading process: development of reading readiness, word recognition, comprehension, reading rate, vocabulary, reading interests, reading in content areas. Selection and use of reading materials, evaluation and appraisal of reading progress.

Ed CI 324 Mathematics, Elementary (2)  
H. Ikeda  
Purposes, procedures, scope, organization in developing underlying concepts of elementary mathematics; analysis of new elementary mathematics programs; techniques, relative merits, roles of inductive and deductive approaches to new ideas. Pre: 312 or concurrent registration; Math 111.

Eng 101-102 Expository Writing (3-3)  
Y. Droste, N. Yoshida  
101: Training in analysis of expository essays; introduction and practice of principal expository procedures, including assertion, exemplification, definition, classification.  
102: Study and practice of argument and persuasion, assembling and organizing research materials; analysis and evaluation of one or two works of imaginative literature; introduction to study of prose style. 101–102 or 105 is prerequisite to all sophomore literature courses.

Eng 315 Advanced Expository Writing (3)  
R. Wylder  
Writing of essays from logical and rhetorical principles, especially modes of definition, assertion, proof. Emphasis on clarity, coherence, style.

Eng 252 Major Works of Modern British Literature (3)  
G. Pilecki  
1800 to the present. 251–252 or 253–254 or 255–256 is prerequisite to all advanced courses in English.

Eng 521 Seminar on Poetry and Popular Music (3)  
D. Treacy  
Survey of key figures and movements in contemporary popular music, focus on possible applications of this music in the English classroom to teach and appreciate the elements, as well as other aspects of literature and composition.

Fr 201 Intermediate French (3)  
I. Pilecki  
Reading, conversation, laboratory drill, composition. Pre: 102 or equivalent.

HPE 108 Swimming: Beginning (1)  
R. Goya  
Adjusting to water, immersing in water, floating, sculling; correct arm stroke, leg kick, breathing techniques and their coordination.
HPE 107 Tennis: Beginning (I)  
Rules, etiquette, grip, forehand and backhand strokes, serving, volleying, singles and doubles play.

HPE 110 Golf: Beginning (I)  
Rules, etiquette, grip, stance, drive, normal iron shots, approach shots, putting.

HPE 111 Golf: Advanced (I)  
H. Hamai  
Emphasis on improving drive, fairway wood shots, long iron shots, control shots, trouble shots, putting, course management, competitive strategy, problems in rules. Actual play on golf course requires additional fees.

HPE 115 Bowling (1)  
R. Goya  
Rules, etiquette, arm swing, approach, execution, scoring, spare pickups. Class participation at bowling alley requires additional fees.

HPE 120 Badminton (1)  
R. Goya  
Rules, etiquette, grip, forehand and backhand strokes, serving, smash, drive, net play, offensive and defensive strategy in singles and doubles play.

HPE 233 Physical Education Elementary (9)  
H. Hamai  
Content and methods for physical education in elementary school. Emphasis on selection, planning, teaching, evaluation of movement exploration and activities.

Hist 151-152 World Civilization (9-9)  
J. White, T. Smuck  
Development of civilization from ancient Orient and classical Greece and Rome to present. Devoted primarily to presenting, in broad outline, main cultural and historical development in each area. 151: ends with Reformation in Europe. 152: covers period from 16th century to present. Primary emphasis on Western development.

Hist 281 American History (3)  
L. Warsh  
An interpretative survey of United States history, 1500 to the Civil War.

Hist 440 Europe Since Versailles (3)  
T. Smuck  
Problems of contemporary Europe and their historical background.

Hist 464 The Age of Industry: U.S. History 1877–1920 (3)  
L. Warsh  
Response to industrialism and emergence of U. S. as world power.

IS 190 Film and the Arts (4)  
R. Knox, B. Bander  
An investigation into the formal structure of films including study of character, pace, style, structure, camera use and theme; films will be compared with literature, art, music, and other media of expression.

Math 194 Pre-Calculus Mathematics (4)  
M. Ando  
Basic operations; algebraic functions and equations; trigonometric functions; lines, conics. Pre: two years of high school algebra and 1 year of plane geometry or consent of division.

Mus 160 Introduction to Music Literature (3)  
C. Lindsley  
Styles and forms of Western music. From the listener's point of view. Lab section required.

Mus 519 Music Theory for Elementary Teachers (3)  
C. Lindsley  
Aural training, creative writing, laboratory experience and theoretical study of traditional music. Pre: 118 or 119, or consent of instructor.

Ocean 201 Science of the Sea (3)  
F. Little  
Introduction to biological, geological, chemical, physical aspects of oceanography. Based on classroom lectures and use of oceanographic equipment and techniques at sea aboard ship and in near-shore zone.
Phil 100 Introduction to Philosophy (3)
Problems, methods, and fields of philosophy.

Phil 210 Introduction to Logic (3)
Principles of modern deductive logic.

Phys 100 Survey of Physics (3)
Introduction to physics; basic concepts. Not open to those with previous college physics or experience beyond Math 134.

PolSc 110 Introduction to Political Science (3)
Role of government in modern society. Types and practices of government; processes of political change; citizen participation.

Psy 424 Abnormal Psychology (3)
Nature and causes of psychoneuroses and psychoses; abnormalities of intelligence; psychotherapy. Pre: 100 or 111.

Psy 700 Seminar (3)
(12) Learning.

Soc 151 Introduction to the Study of Society (3)
Basic social relationships, norms, social structures and processes affecting social change. Prerequisite to all advanced courses.

Sp 145 Expository and Persuasive Speaking (3)
Instruction and practice in the analysis and preparation of expository and persuasive public discourse. Prerequisite to all speech courses with higher number.

Sp 231 Reading Aloud (3)
Principles of interpretative reading. Practice in textual analysis and in transmitting intellectual and aesthetic content of literature. Pre: 101 or 145.

Sp 412 Phonetics and Phonemics of American English (3)

English 80H (non-credit) Refresher
(Enrollment by invitation only)

Orient 68H (non-credit) Study Skills
(Enrollment by invitation only)