Catalog

SUMMER SESSION 1967

University of Hawaii Bulletin
Forty-first Annual

SUMMER SESSION

University of Hawaii 1967

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1967 CALENDAR

**JUNE**

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**JULY**

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**AUGUST**

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**First Term (June 19–July 28)**

- May 17–20..........................Early registration (for residents of Hawaii)
- June 19, Monday..........................Regular registration
- June 20, Tuesday..........................Instruction begins
- June 23, Friday..........................Last day of registration for credit
- June 26, Monday..........................Last day for withdrawal from courses without grade penalty
- July 4, Tuesday..........................Legal holiday
- July 21, Friday..........................Last day for withdrawal from courses
- July 28, Friday..........................First term ends

**Second Term (July 31–September 8)**

- July 31, Monday..........................Registration
- August 1, Tuesday..........................Instruction begins
- August 4, Friday..........................Last day of registration for credit
- August 6, Sunday..........................Summer Commencement
- August 7, Monday..........................Last day for withdrawal from courses without grade penalty
- September 1, Friday..........................Last day for withdrawal from courses
- September 4, Monday..........................Legal holiday
- September 8, Friday..........................Second term ends
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**Hilo Campus**

**Campus Map**

**Application Form**
Administration and Faculty

Administration

UNIVERSITY

THOMAS HALE HAMILTON, ph.d., President
ROBERT W. HIATT, ph.d., Vice-President for Academic Affairs
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RICHARD H. KOSAKI, ph.d., Vice-President for Community Colleges
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EDWARD T. WHITE, m.a., Director of Admissions and Records
KAORU NODA, ph.d., Director of Hilo Campus

COLLEGE DEANS

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SCHUYLER D. HOSLETT, ph.d., College of Business Administration
HUBERT V. EVERLY, ph.d., College of Education
JOHN W. SHUPE, ph.d., College of Engineering
WILLIAM D. LAMPARD, ed.d., College of General Studies (Acting)
C. PEARS WILSON, ph.d., College of Tropical Agriculture

College of Health Sciences and Social Welfare:
WINDSOR C. CUTTING, ph.d., School of Medicine
MARJORIE S. DUNLAP, ed.d., School of Nursing
RICHARD K. C. LEE, m.d., School of Public Health
KATHARINE N. HANDLEY, m.s.w., School of Social Work

SUMMER SESSION*

SHUNZO SAKAMAKI, ph.d., Dean
SHIRO AMIOKA, ph.d., Associate Dean

Summer Session Curriculum Committee: Deans OTTO J. BEYERS, NICHOLAS B. CORBA, ROLAND J. FUCHS, JOHN P. HOSHOR, CHARLES B. NEFF, EDWIN C. PENDLETON, ROBERT E. POTTER; Professors A. BRUCE ETHERINGTON, ALFRED J. LEVY

*Mailing address: Summer Session Office
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Honolulu, Hawaii 96822
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R. GENE ANDERSON, M.A. (Baylor), Acting Assistant Professor of Speech
RONALD S. ANDERSON, PH.D. (California at Berkeley), Professor of Asian Studies
MARY M. ANDREWS, M.S.L.S. (Southern California), Associate Professor of Library Studies
MERLE ANSBERRY, PH.D. (Wisconsin), Director, Speech and Hearing Clinic
MITSUO AOKI, B.D. (Chicago Theological Seminary), Associate Professor of Religion
SUEKO ARAI, NATORI DIPLOMA (Hanayagi School, Tokyo), Lecturer in Music
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SHIEN-MIN JEN, M.A. (New York), Instructor in Chinese
JEAN E. JENKINS, M.A. (Southern Illinois), Instructor in Spanish
DONG-KUEN JEONG, M.A. (Hawaii), Instructor in Economics
DONALD D. JOHNSON, Ph.D. (Southern California), Professor of History
RAY W. JOHNSON, Ed.D. (Southern California), Associate Professor of Education
WILLIAM W. JOHNSON, M.A. (California at Berkeley), Instructor in English
ALAN K. KAMIDA, M.L.S. (Rutgers), Lecturer in Library Studies
HENRY S. KARL, Ph.D. (California at Berkeley), Professor of Political Science
JOHN P. KEEHNEY, M.A. (Illinois), Instructor in English
SUSAN KEARNEY, M.S. (Illinois), Instructor in English
LARISSA V. KELLER, M.A. (Middlebury), Instructor in Russian
ALAN KENNEDY, M.A. (British Columbia), Instructor in English
VIRGINIA N. KENNEDY, M.S.S.A. (Western Reserve), Instructor in English
SHINKYUNG KIM, Ph.D. (Wayne State), Assistant Professor of Business Economics
KENNETH C. KINGREY, M.A. (California at Los Angeles), Professor of Art
ARTHUR L. KIRKPATRICK, M.A. (Illinois), Assistant Professor of Business & Foreign Trade
BACIL F. KIRTLER, Ph.D. (Indiana), Associate Professor of English
REGINA M. KLEMAS, M.A. (Maryland), Instructor in English
EDGAR C. KNOWLTON, Ph.D. (Stanford), Professor of European Languages
ROBERT M. KNOX, M.A. (San Francisco State), Instructor in Art
DAVID M. KRIEGER, B.A. (Occidental College), Lecturer in Health and Physical Education
GEORGE Y. KUCERA, M.A. (Florida), Acting Assistant Professor of Education
DORIS Y. KUHN, Ph.D. (Illinois), Professor of Education
ELIZABETH N. KUNIMOTO, M.A. (Hawaii), Instructor in Speech
YASUMASA KURODA, Ph.D. (Oregon), Associate Professor of Political Science
HARRY J. LAMLEY, Ph.D. (Washington), Assistant Professor of History
CHARLES H. LAMOUREUX, Ph.D. (California), Associate Professor of Botany
J. COLLINS LANDSTREET, B.S. (Naval Academy), Instructor in General Engineering
EDWARD A. LANGHANS, Ph.D. (Yale), Associate Professor of Drama and Theatre
RICHARD L. LARSON, Ph.D. (Harvard), Associate Professor of English
VALENTINE K. LARSON, M.A. (Southern California), Assistant Professor of Speech
WILLIAM J. LEARNEY, Ph.D. (M.I.T.), Assistant Professor of Mathematics
LARRY V. LEDOUX, M.A. (Sacramento State College), Instructor in English
OLIVER M. LEE, Ph.D. (Chicago), Assistant Professor of Political Science
SAMUEL S. O. LEE, Ph.D. (Washington), Associate Professor of Accounting
YOUNG-SOOK LEE, M.A. (Michigan), Assistant Professor of Korean
PATRICIA M. LING LEONG, B.Ed. (Hawaii), Assistant in Education
MARK P. LESTER, Ph.D. (California at Berkeley), Assistant Professor of English
ALFRED J. LEEV, Ph.D. (Wisconsin), Associate Professor of English
YOUNGIL LIM, Ph.D. (California at Los Angeles), Assistant Professor of Economics
ROGER P. LINTAULT, M.F.A. (Southern Illinois), Instructor in Art
HAROLD F. LITTLE, Ph.D. (Pennsylvania State), Assistant Professor of Biology
HOWARD D. LOWE, B.A. (Indiana), Professor of Accounting and Finance
JAMES K. LOWERS, Ph.D. (California at Los Angeles), Professor of English
Broder F. Lucas, M.S.A. (Tennessee), Lecturer in Business Economics and Statistics
Richard S. Lum, M.Mus.Ed. (Northwestern), Assistant Professor of Music
Evelyn S. MacQueen, Ph.D. (Michigan), Assistant Professor of Drama and Theatre
Joseph Maltby, Ph.D. (Wisconsin), Assistant Professor of English
Ulrich Mammitzsch, M.A. (Southern Illinois), Acting Assistant Professor of History
Curtis A. Manchester, Jr., Ph.D. (Michigan), Professor of Geography
Ronald P. Mann, M.A. (Michigan), Instructor in English
Helge H. Mansson, Ph.D. (New York), Assistant Professor of Psychology
Herbert F. Marquiles, Ph.D. (Wisconsin), Associate Professor of History
Beatrice C. Markey, D.P.A. (Southern California), Assistant Professor of Political Science
Robert M. Martin, Ph.D. (Washington), Professor of Education
Therese C. Mathey, M.A. (Southern California), Instructor in German
Harold E. McCarthy, Ph.D. (California at Berkeley), Professor of Philosophy
James M. McCutcheon, Ph.D. (Wisconsin), Associate Professor of History & American Studies
Dean K. McIntosh, Ed.D. (California at Los Angeles), Assistant Professor of Education
Thelma A. McIntosh, Ed.D. (North Texas State), Associate Professor of Education
Howard P. McKaughan, Ph.D. (Cornell), Associate Graduate Dean
Russell E. McLeod, M.A. (Hawaii), Instructor in Chinese
Odile C. Menot, Licence (Paris), Lecturer in French
George A. Meyer, Ph.D. (Washington), Professor of Education
John Michel, Ph.D. (Texas), Director, Counseling and Testing Center
Kay K. Mikami, Lecturer in Music
Henry Y. Mikasa, M.S. (Southern California), Assistant Professor of Civil Engineering
Donald R. Mikelich, Ph.D. (Colorado), Assistant Professor of Psychology
Helene N. Miller, Diplome d'etudes a la sorbonne (Paris), Lecturer in French
Ralph M. Miwa, Ph.D. (Johns Hopkins), Associate Professor of Political Science
Iwao Miyake, M.S. (Hawaii), Professor of Physics
Henry N. Miyamura, B.M. (Eastman School of Music), Lecturer in Music
Jack H. Mizuha, LL.B. (Michigan), Lecturer in Law
Matias Montes, Ph.D. (Havana), Assistant Professor of Spanish
Yara Montes, Ph.D. (Havana), Instructor in Spanish
Anneliese W. Moore, M.A. (California at Berkeley), Assistant Professor of European Languages
Takeshi Moriwaki, Ph.D. (Indiana State), Assistant Professor of Education
Roger L. Moseley, Ph.D. (Washington), Assistant Professor of Economics and Business
Frederick C. Munchmeyer, M.S. (M.I.T.), Assistant Professor of Engineering
Janet M. Murchison, B.A. (Huntingdon), Instructor in Health and Physical Education
Winfield E. Nagley, Ph.D. (Southern California), Professor of Philosophy
Torleif Nelson, Ed.D. (Washington), Professor of Education
Prithwish Neogy, M.A. (Harvard), Professor of Art
Verna M. Ness, Ph.D. (Washington), Instructor in English
W. Jan Newhouse, M.S. (New Hampshire), Acting Assistant Professor of General Science
Agnes M. Niyekawa, Ph.D. (New York), Assistant Professor of Education
Daniel S. Noda, Ph.D. (Ohio State), Associate Professor of Education
Koaru Noda, Ph.D. (Iowa), Associate Professor of Science
Linda A. Noel, B.A. (Hawaii), Lecturer in French
Jon Norem, M.B.A. (North Dakota), Assistant Professor of Accounting
Katashi Nose, Ed.M. (Harvard), Assistant Professor of Physics
G. Raymond Nunn, Ph.D. (Michigan), Professor of History
ROY K. OKADA, M.A. (California at Los Angeles), Instructor in English
HIROSHI ONO, PH.D. (Stanford), Assistant Professor of Psychology
BENITO S. ORTOLANI, PH.D. (Vienna), Associate Professor of Drama and Theatre
WAYNE H. OXFORD, M.A. (California at Los Angeles), Instructor in Speech
GLENN FANG-CHING, PH.D. (Southern California), Assistant Professor of Speech
CHRISTOPHER PASLES, M.A. (Claremont Graduate School), Instructor in English
OIDA FAY PAUL, ED.D. (Columbia), Assistant Professor of Music
RICHARD J. PEARSON, PH.D. (Yale), Assistant Professor of Anthropology
EDWIN C. PENDLETON, PH.D. (California at Berkeley), Professor of Industrial Relations
PETER PERSSON, B.B.A. (Hawaii), Lecturer in Art
GAIL P. PETERS, M.A. (Hawaii), Instructor in English
WILLIAM R. PFEIFFER, M.A. (Hawaii), Assistant Professor of Music
MAURINE PHELPS, M.A. (Columbia), Instructor in Speech
ALEXANDER L. PICKENS, ED.D. (Columbia), Associate Professor of Education
FRANCES M. PICKENS, M.A. (North Texas State), Lecturer in Education
ABRAHAM PHILIPAIA, B.A. (Hawaii), Lecturer in Geography
GAIL PIKE, B.F.A. (Hawaii), Lecturer in Art
PETER N. D. PIRIE, PH.D. (Australian National University), Assistant Professor of Geography
ROBERT E. POTTER, ED.D. (Illinois), Associate Professor of Education
PETER POWLISON, M.A. (Stanford), Media Specialist
MARVIN F. POYZER, ED.D. (Bradley), Associate Professor of Industrial Arts Education
KENNETH S. PRESSMAN, M.A. (New York), Instructor in English
RICHARD L. RAPSON, PH.D. (Columbia), Assistant Professor of History
ROBERT M. REED, M.A. (Michigan), Assistant Professor of Education
SAMUEL C. REED, PH.D. (Princeton), Assistant Professor of Psychology
IAN E. REID, PH.D. (Utah), Associate Professor of Education
EUGENE RICHMAN, D.ENG.SC. (New York), Professor of Management
E. GENE RITTER, PH.D. (Missouri), Associate Professor of Speech Pathology
THOMAS ROBERTS, M.A. (Wheaton), Lecturer in Linguistics
Raden S. Rosman, doctorandus in indology (Leyden), Assistant Professor of Indonesian
JAMES M. ROSEN, M.F.A. (Cranbrook Academy of Art), Assistant Professor of Art
PETER G. Rossbacher, PH.D. (Kiel), Assistant Professor of Russian
ARMAND K. RUSSELL, D.M.A. (Eastman School of Music), Associate Professor of Music
LOIS R. RUSSELL, Lecturer in Music
IONE J. RYAN, ED.D. (Stanford), Assistant Professor of Education
DAVID G. RYANS, PH.D. (Minnesota), Professor of Education
ROBERT K. SAKAI, PH.D. (Harvard), Professor of History
S. K. SAKENA, PH.D. (London), Professor of Philosophy
EDWARD SARAYDAR, PH.D. (Rochester), Assistant Professor of Economics
YASUHI SASA, Lecturer in Drama and Theatre
KOHEI SASAKI, PH.D. (Columbia), Associate Professor of Business Analysis and Statistics
MAMORU SATO, M.F.A. (Colorado), Instructor in Art
RYUZO SATO, PH.D. (Johns Hopkins), Professor of Economics
ALLISON SAVILLE, PH.D. (Washington), Associate Professor of History
CAROLE C. SCHELLS, M.A. (Creighton), Instructor in English
LUCILLE M. SCHULTZ, M.A. (Detroit), Instructor in English
LOLA SCHWARTZ, PH.D. (Indiana), Lecturer in Anthropology
JOSEPH J. SCHWITTERS, B.A. (St. Ambrose), Instructor in Health and Physical Education
GEORGE M. SECHI, M.S. (Indiana), Instructor in Health and Physical Education
KAP-KYUNG SEO, PH.D. (Cincinnati), Associate Professor of Business Economics
MICHAEL J. SHAPIRO, PH.D. (Northwestern), Assistant Professor of Political Science
JAGDISH P. SHARMA, PH.D. (London), Assistant Professor of History
HAROLD S. SHARP, M.A.L.S. (Indiana), Associate Professor of Library Studies
EMMA F. SHARPE, Lecturer in Health and Physical Education
GEORGE K. SIMSON, PH.D. (Minnesota), Assistant Professor of English
MARGORIE P. SINCLAIR, M.A. (Mills), Assistant Professor of English
HUGH F. SMITH, B.S. (Texas), Instructor in General Engineering
WARE R. SMITH, M.A. (California at Berkeley), Instructor in English
THOMAS E. SMUCK, PH.D. (California at Berkeley), Associate Professor of History
WILHELM G. SOLHEIM, PH.D. (Arizona), Associate Professor of Anthropology
ROBERT A. SOLLER, M.F.A. (Hawaii), Assistant Professor of Drama and Theatre
MARGARET SOLOMON, PH.D. (Claremont Graduate School), Assistant Professor of Agricultural Economics
HERBERT B. STELMACHER, M.B.A. (Southern Methodist), Assistant Professor of Marketing
PAUL H. STERN, M.F.A. (Iowa), Instructor in English
RICHARD A. SUTLIFF, M.A. (Indiana), Instructor in English
KATHLEEN J. SWENSON, M.A. (Cornell), Instructor in English
HENRY K. TOMINAGA, ED.D. (Colorado), Assistant Professor of Health and Physical Education
MARGARET USHIJIMA, M.S. (Smith), Jr. Specialist in Student Personnel

1967 SUMMER CATALOG
VISITING FACULTY

LOUIS P. WARSH, M.A. (California at Berkeley), Assistant Professor of History and Political Science
LORINDA E. WATSON, M.A. (Hawaii), Assistant Professor of Speech
LAWRENCE T. WELLEIN, PH.D. (Washington), Assistant Professor of English
RALPH E. WILEMAN, JR., ED.D. (New York), Assistant Professor of Education
BONNIE J. WILEY, PH.D. (Southern Illinois), Assistant Professor of English and Journalism
WILLIAM WILEY, M.A. (Chapman), Lecturer in Education
JEAN WILLIAMS, Lecturer in Art
JULIA WILLIAMS, M.S. (St. Francis), Lecturer in English
ROBERT J. WILLIAMS, M.A. (Chicago), Instructor in English
JOHN A. WINNIE, B.A. (New York State), Acting Assistant Professor of Philosophy
LEE E. WINTERS, PH.D. (California at Berkeley), Associate Professor of English
JOHN WISE, PH.D. (London), Professor of Economics
JOHN WISNOSKY, M.F.A. (Illinois), Instructor in Art
TAMME WITTERMANS, PH.D. (London), Associate Professor of Sociology
CARL WOLZ, M.A. (Hawaii), Assistant Professor of Drama and Theatre
JOYCE M. WRIGHT, B.A.L.S. (Washington), Lecturer in Library Studies
LOUISE M. WULFF, M.S. (Hawaii), Instructor in Medical Technology
SHIGEIHARU YAMADA, M.F.A. (Hawaii), Lecturer in Art
GEORGE K. YAMAMOTO, M.A. (Hawaii), Assistant Professor of Sociology
PEARL N. YAMASHITA, M.A. (Iowa State), Assistant Professor of Education
ALVIN Y. YANAGISAKO, M.A. (Hawaii), Instructor in Sociology
DUANE S. T. YEE, M.A.T. (Brown), Lecturer in English
YEONG-HER YEH, PH.D. (Minnesota), Assistant Professor of Economics
HARRY ZEITLIN, PH.D. (Hawaii), Professor of Chemistry

Visiting Summer Faculty

IBRAHIM M. ABOU-GHORRA, PH.D., Associate Professor of Psychology,
Fresno State College
GEORGIA S. ADAMS, PH.D., Professor of Education, California State College, Los Angeles
LOUIS E. ALLEY, PH.D., Head, Department of Physical Education for Men, State University of Iowa
MICHAEL F. ANDREWS, PH.D., Head, Art Education, Dual Professor of Art and Education,
Syracuse University
DONALD M. BAER, PH.D., Professor of Human Development and Psychology, Head,
Division of Child Development, University of Kansas
HOMER BARNETT, PH.D., Professor, Department of Anthropology, University of Oregon
SAMUEL BABON, M.D., Virologist, U.S. Public Health Service, Bethesda, Maryland
KATHLEEN F. BATES, M.S., Assistant Professor of Housing and Management, Arizona State University
MARTIN JOSEPH BEECKMAN, DR. RER. POL., Professor of Economics, University of Bonn
JAMES C. BENNETT, ED.D., Assistant Superintendent, Pupil Personnel Services, Riverside, California
BERNARD L. BLOOM, PH.D., Professor of Psychology, University of Colorado
JOSEPH P. BOESI, PH.D., Assistant Professor of Spanish, Georgetown University
EMILY R. BRYD, M.A., Assistant Professor of Spanish, State University College, New Paltz, New York
CONRAD BRINER, ED.D., Professor of Education, Claremont Graduate School
CHARLES A. BUN TEN, ED.D., Associate Professor of Industrial Arts, Southern Illinois
University
WILLIAM E. BURNS, ed.d., Professor of Industrial Arts, State University College, Buffalo
BURTON H. BYERS, ed.d., Assistant Professor of Speech, Queens College
KENNETH K. S. CHEN, PH.D., Professor of Buddhism, Department of Religion, Princeton
University
WEN-CHUNG CHOU, M.A., Assistant Professor of Composition, Columbia University
PATRICIA J. CIANCHOLA, PH.D., Associate Professor of Education, Michigan State
University
HUBERT V. CORDIER, PH.D., Associate Professor and Head, Department of Speech,
University of Illinois
JEAN-CLAUDE CROPOULET, AGREGATION, Visiting Professor of French, San Diego State
College
MARIE LOUISA CRAPPOULET, DOCTORAT, Visiting Assistant Professor of French,
San Diego State College
J. WESLEY CRUM, PH.D., Dean of Instruction, Central Washington State College
RACHAEL W. DEANGELO, M.S., Professor of Library Science, Drexel Institute of
Technology
ROBERT EULlette DEKieffer, PH.D., Professor of Education and Director of Bureau of
Audio-Visual Instruction, University of Colorado
JOHN DELUCCA, PH.D., Associate Professor and Chairman, Department of Philosophy,
University of Victoria
EDITH M. DOWLEY, PH.D., Associate Professor of Psychology and Director, Stanford
University Nursery School
HAROLD DRUMMOND, ED.D., Professor and Chairman, Department of Elementary
Education, University of New Mexico
ALLEN L. EDWARD, PH.D., Professor of Psychology, University of Washington
WALTER P. EGGLE, PH.D., Director of Graduate Program in Economics and Professor of
Economics, University of Cincinnati
MERYL E. ENGLANDER, PH.D., Professor of Educational Psychology, Sacramento State
College
JOSEPH ANDORFER EWAN, A.B., Professor of Botany, Tulane University
SEYMOUR FERSH, PH.D., Education Director, Asia Society, New York
ROBERT L. FRANK, ED.D., Associate Professor of Education and Psychology, State College
of Iowa
BENJAMIN FRANKEL, PH.D., Professor and Chairman of History Department, St. Mary's
College, California
BILL V. FREEMAN, ED.D., Director, Teacher Education and Chairman, Education—
Psychology Department, Austin College
HERBERT FROLANDER, PH.D., Professor of Oceanography, Oregon State University
CHARLES F. GALLAGHER, B.A., American Universities Field Staff, New York
JACK P. GIBBS, PH.D., Professor, Washington State University
EDWARD COLEMAN GLANZ, ED.D., Provost, Long Island University
DAVID GOLD, PH.D., Professor of Sociology and Chairman, Department of Sociology,
University of California, Santa Barbara
MARVIN GOLD, PH.D., Associate Professor of Education, University of South Florida
MOLLY C. GORELICK, ED.D., Associate Professor and Chief, Guidance Services, Exceptional
Children's Foundation, Los Angeles
ROBERT MARK GORRELL, PH.D., Chairman, Department of English, University of Nevada
JOHN C. GOWAN, ED.D., Professor of Education and Chairman, Guidance, San Fernando
Valley State College
VISITING FACULTY

Frederic Charles Gray, M.A., Department of Romance Languages, University of Arizona
Lillian S. Groebel, M.A., Teacher, Longview School, Phoenix, Arizona
Brijen Gupta, Ph.D., Assistant Professor of History, Brooklyn College
Robert Harrison, B.A., Acting Assistant Professor of Anthropology, University of Connecticut
Gordon K. Hirabayashi, Ph.D., Professor of Sociology, University of Washington
Al Chung-liang Huang, M.A., Lecturer, University of California, Los Angeles
Beatrice J. Hurley, M.A., Visiting Professor of Education, University of Hawaii
Allen Ivey, Ed.D., Associate Professor of Psychology, Colorado State University
Margaret Batjer Jennings, Ph.D., Professor of Home Economics, Pennsylvania State University
Mischa D. Jezernek, Ph.D., Director, Institute of Sociology and Philosophy, University of Ljubljana
G. Orville Johnson, Ed.D., Professor of Special Education, Syracuse University
Abraham Kaplan, Ph.D., Professor of Philosophy, University of Michigan
Jerry M. Katz, M.A., Assistant Professor of Sociology, California State College, Long Beach
Vincent Cooper Kelley, Ph.D., Professor and Chairman, Department of Geology, University of New Mexico
Alex J. Kelso, Ph.D., Associate Professor of Anthropology, and Chairman, Department of Anthropology, University of Colorado
C. Gratton Kemp, Ph.D., Professor of Education, Ohio State University
Willis Lloyd Kendall, Ed.D., Associate Professor of Education, San Diego State College
George R. Keredole, Ph.D., Professor of Speech and Drama, University of Arkansas
Philip Alexander Klein, Ph.D., Professor of Economics, European Institute of Business Administration, France
Margaret I. Koste, Ph.D., Assistant Professor of Education, Ohio State University
Ernst Krenek, Independent Composer, Palm Springs, California
Hyman Kubin, Ph.D., Associate Graduate Dean, City University of New York
Martin Landau, Ph.D., Professor of Political Science, Brooklyn College
Arthur M. Lee, Ph.D., Director, Research Coordinating Unit, Northern Arizona University
Glenn Q. Lefler, Ph.D., Professor and Head of Physics Department, Eastern Illinois University
Howard M. Lenhoff, Ph.D., Associate Professor of Biology, University of Miami
Myron Lieberman, Ph.D., Professor of Education, Rhode Island College
Karl M. Lloyd, Ph.D., Assistant Professor of Public Administration, University of Southern California
Lawrence F. Lowery, Ed.D., Assistant Professor of Education, University of California, Berkeley
Jose Maceda, Ph.D., Professor and Chairman, Department of Asian Music, University of the Philippines
John Marks, Ed.D., Professor of Mathematics and Education, San Jose State College
Jane E. Matsun, Ed.D., Professor of Education, California State College, Los Angeles
Charles McLaughlin, LL.B., Professor of Political Science, University of Minnesota
Richard C. McEachern, Ph.D., Assistant Professor of English, University of Massachusetts
Fred Meinecke, B.A., Department of Anthropology, Indiana University
Michael Meriwether, B.A., Public Administration Service, University of Chicago
The 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. It has seven colleges: Arts and Sciences, Business Administration, Education, Engineering, General Studies, Health Sciences and Social Welfare (including schools of Medicine, Nursing, Public Health, and Social Work), and Tropical Agriculture. It has begun a statewide system of two-year community colleges. The Graduate Division assumes the major role in the organization and development of graduate programs. There is a graduate school of Library Studies. The master's degree is offered in 63 fields and the Ph.D. degree in 27 fields. The academic year is divided into two 18-week semesters, and the 12-week summer session into two 6-week terms, each term offering work equivalent to that of an academic semester.

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, and Phi Lambda Theta.
The Summer Session

ADMISSION. Persons wishing to take courses for credit must present satisfactory evidence of ability to do university work. Graduate and undergraduate students at other universities or colleges may submit either a transcript of their records or a special certificate filled out by the registrar or dean of their institution. Copies of the certificate may be obtained from the summer session office (or see the last page of this catalog). The transcript or the certificate should include work done in the first semester of the current academic year and should be mailed or submitted to: Admissions and Records Office, 2444 Dole St., Honolulu, Hawaii 96822, no later than June 30. High school graduates who have been accepted for matriculation in an accredited college or university may submit the aforementioned certificate. Teachers in service may have the certificate signed by their superintendent or other supervising official.

*Admission to the summer session does not imply any guarantee of admission to the regular sessions of the University.*

AUDITORS. Persons wishing to attend certain lecture classes regularly, without receiving credit, may register as auditors. 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 be designated with an “L” (for “Listener”) 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 to participate in classroom discussions or recitations or examinations, or any other activities of the course. A visitor’s ticket may be cancelled, without refund, if these conditions are violated.

VETERANS. The University of Hawaii is authorized to enroll veterans under Public Laws 358, 634, and 815. 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 April 15, May 13, June 13, June 15, and June 17.

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.

All other foreign students are assigned to a program of ELI instruction designed to serve individual needs. (See page 71 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 College of General Studies 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:

- College of Arts and Sciences, Webster 204
- College of Business Administration, Hawaii 109-A
- College of Education, Wist Annex-2 224
- College of Engineering, Keller 119-A
- College of General Studies, Hawaii 21
- College of Health Sciences and Social Welfare, PBRC 114
  - School of Medicine, PBRC 114
  - School of Nursing, Webster 416
  - School of Public Health, Spalding 255
  - School of Social Work, Wist 207
- College of Tropical Agriculture, Gilmore 114
- Graduate Division, Spalding 354
- Library Activities, Sinclair Library 15
- Student Personnel, Bachman 214
- Summer Session, Crawford 208

**REGISTRATION.** *Early Registration.* Early registration for the first summer term will be open to students registered at the University of Hawaii during the current spring semester and other qualified residents of Hawaii from 8 a.m. to 4 p.m., Wednesday through Friday, May 17-19, and from 8 a.m. to 12 noon, Saturday, May 20, 1967. Registration materials and instructions will be issued at the deans' offices.

*Regular Registration.* Registration for the first summer term will take place on Monday, June 19, between 7:45 a.m. and 4:00 p.m. Students should report to rooms 150 and 152 in Bilger Hall, where they will be issued registration materials and instructions, according to the following time schedule (for last names):

- F through H—at or after 7:45 a.m.
- I through K—at or after 8:30 a.m.
- L through M—at or after 9:15 a.m.
- N through Q—at or after 10:00 a.m.
- R through S—at or after 10:45 a.m.
- T through V—at or after 11:30 a.m.
- W through Z—at or after 12:45 p.m.
- A through B—at or after 1:30 p.m.
- C through E—at or after 2:15 p.m. until 3:15 p.m.

Students should obtain their registration materials no later than 3:15 p.m. if they wish to complete their registration on June 19 and avoid the late registration fee.

Regular registration for the second summer term will take place on Monday, July 31, according to the same procedure as given above.
Late Registration. Late registration will be permitted during 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. Students who registered during the early registration period (May 17–20) may apply for a change of registration on Thursday, June 15, between 8 a.m. and 4 p.m. Other changes may be requested after instruction begins. Change of program forms may be obtained at the deans' offices.

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.

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. Parking stickers are sold in the student mail room.
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 22 (first term); or until 4 p.m. on August 3 (second term).
- $6.00 per credit thereafter, until 4 p.m. on June 27 (first term); or until 4 p.m. on August 8 (second term).

There will be no refunds after June 27 in the first term and after August 8 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. A student who registered during the early registration period and who withdraws completely on June 15, 1967, will be given a full refund less $10.00.

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.

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.
Students walking along the Mall between classes display the informal attire worn during summer.

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. See Discipline file."

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

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.

GRADUATE SCHOOL OF LIBRARY STUDIES. The program of the Graduate School of Library Studies was initiated in the 1965 summer session. Students wishing to work for the Master of Library Studies degree should study the catalog of the School and follow the admission procedure described therein. For application forms, write to: Office of the Dean, Graduate School of Library Studies, University of Hawaii, Honolulu, Hawaii 96822. The completed forms, transcripts, and letters of reference should be mailed to the same office. For those wishing to enter the program during the 1967 summer session, the foregoing documents should be transmitted by the beginning of June.
Summer Session Notes

ENROLLMENT FIGURES. The University of Hawaii summer session is one of the largest in the country. In 1966, a total of 17,650 students enrolled, registering for 66,218 credits. There were 915 students from other countries and 3,460 students from the mainland. All 49 mainland states (including Alaska) and the District of Columbia were represented, with the five largest groups coming from California (1,199), Texas (218), Washington (184), New York (174), and Illinois (159).

COURSES ON ASIA AND THE PACIFIC. In addition to standard courses comparable to those given at other American universities, the 1967 summer session offers many distinctive courses such as the following:

**Anthropology**: Regional Cultures of Asia; Regional Cultures of Oceania.

**Art**: Comparative Aspects of Asian Art; Arts of the Pacific.

**Asian Studies**: Summer Institute; Study Tour of the Orient.

**Botany**: Hawaiian and Pacific Ethnobotany; Botany of Cook's Voyages.

**Asian and Pacific Languages**: Chinese; Hawaiian; Hindi; Indonesian; Japanese; Korean; Sanskrit; Tagalog; Thai; Vietnamese.

**Drama and Theatre**: Japanese Theatre; Oriental Theatre.

**Economics**: Asian Economic Development.

**Education**: Methods and Materials for the Study of Hawaii; Comparative Education—Asia; Field Study in Comparative Education; Dances of Hawaii.

**English**: Literature of the Pacific.

**General Science**: Botany of Cook's Voyages.

**Geography**: Japan; Pacific Islands; China; Hawaii.

**Geosciences**: Geology of the Hawaiian Islands.

**History**: Far East; China; Japan; South Asia; Hawaiian Islands; India.

**Home Economics**: Institute on Foods of the Pacific; Textile and Clothing Study Tour of Asia.

**Library Studies**: Administration of Libraries in Asia; Asian Reference Sources; Technical Services for Far Eastern Collections.

**Music**: Philippine Ensemble; Music of China; Music of the Philippines and Related Southeast Asian Cultures; Pacific and Asian Music in Education; applied courses in Koto, Hawaiian Chant, Japanese Dance, Korean Dance, Filipino Dance.

**Philosophy**: Indian; Buddhist; Chinese.

**Political Science**: International Relations in Asia.
Religion: Living Religions of Hawaii; Theravada Buddhism in India and Southeast Asia; Mahayana Buddhism in East Asia.

Sociology: People and Institutions of Japan; Race and Culture Contacts in Hawaii.

Institute on Asian Studies. June 19–July 28. The Ninth Summer Institute on Asian Studies will be directed by Dr. Hyman Kublin, of the City University of New York. The program carries 6 graduate credits and is designed primarily for secondary school teachers and librarians, but it is open to others as well.

Besides Dr. Kublin, the following distinguished scholars will be lecturing in the institute: Dr. Brijen Gupta, of Brooklyn College, on South Asia; Dr. Harry J. Lamley, of the University of Hawaii, on China; Dr. Minoru Shinoda, of the East-West Center, on Japan; and Dr. Walter F. Vella and Dr. Robert Van Niel, of the University of Hawaii, on Southeast Asia.

The East-West Center Institute for Student Interchange is offering 104 tuition and partial travel grants to secondary school teachers, administrators, and librarians selected for participation in this institute.

Membership fee in the institute is $110, including tuition and student activity fees. For application forms write to: Summer Session Office, 2550 Campus Road, Room 208, University of Hawaii, Honolulu, Hawaii 96822.

N.D.E.A. Institute in Asian History. June 19–August 12. For 48 teachers of 9th and 10th grade social studies at public and private schools of Hawaii. The institute will focus upon the modern history of China, Japan, India, and Southeast Asia. The history of these regions will be developed through a series of weekly themes which will seek to place historical developments within the context of comparative Asian studies. Inquiries should be addressed to the director of the institute: Dr. Robert Van Niel, 1615 East-West Road, University of Hawaii, Honolulu, Hawaii 96822.

N.D.E.A. Institute for Advanced Study in Counseling and Guidance. June 19–August 11. 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. Francis E. Clark, Department of Educational Psychology, University of Hawaii, 1776 University Avenue, Honolulu, Hawaii 96822.

N.D.E.A. Institute for Teachers of English, Grades 1–9. In collaboration with the U.S. Office of Education, the University will offer an institute for teachers of English in grades 1–9. The institute will include courses in composition, language, and the language development of children, along with a seminar in the teaching of English. (For detailed description of these courses consult the list of offerings in English.) The institute will be open to teachers who have no more than an undergraduate minor in English; 45
teachers will be enrolled, of whom about 10 per cent will come from outside Hawaii. Teachers who wish information and application forms may write to: Professor Richard L. Larson, Director, NDEA Institute in English, 1733 Donaghho Road, Honolulu, Hawaii 96822.

N.D.E.A. Summer Institute for Advanced Study in Industrial Arts. June 19-July 28. Twenty-five selected industrial arts instructors will undergo an intensive six-week program to explore contemporary theory of instruction and evaluation in industrial arts education. Inquiries should be addressed to the director of the institute: Dr. Marvin F. Poyzer, Industrial Arts Education, College of Education, University of Hawaii, 1776 University Avenue, Honolulu, Hawaii 96822.

N.S.F. Special Project in Ocean Engineering. A 3-credit course DE S-601, Ocean Engineering Laboratory, will be offered during the first session under a grant from the National Science Foundation. Students and faculty members who are directly involved in ocean engineering programs may apply. Applicants should hold a B.S. degree in engineering.

The objective of the course is to give students a significant field laboratory experience in the behavior of engineering systems in the ocean and the effects of the ocean on those systems.

In 1967 the course material will be presented by six outstanding ocean engineers from government, industry, and education. Ten field trips will use excellent facilities offered for the course by federal and state governments, industry, and the University.

Participants will be involved full-time for the six weeks. They will be asked to evaluate the material presented for its utility in future ocean engineering laboratory courses.

Total enrollment is limited.

Inquiries about the Special Project in Ocean Engineering should be addressed to: Assistant Professor Frederick C. Munchmeyer, College of Engineering, University of Hawaii, Honolulu, Hawaii 96822.

N.D.E.A. Institute for Advanced Study in English: Applied Linguistics. June 19–July 28, Hilo Campus. To provide teachers with theory and rationale for applied linguistics with focus on the structure of English, basic linguistic skills for contrastive analysis of standard and non-standard structures, techniques and methods of developing and using effective language exercises, and understanding of the social and psychological implications of non-standard usage. Enrollment limited to 36 teachers and language arts supervisors of grades K-6. Inquiries should be addressed to the director of the institute: Mrs. Nobuko Fukuda, NDEA Institute in English, University of Hawaii Hilo Campus, Hilo, Hawaii 96720.

N.D.E.A. Institute for Advanced Study in Reading, Grades 4–9. June 19–July 28. To enable school personnel to deal more effectively with the read-
ing tasks imposed by their grade and subject matter, to plan a developmental reading program, to evaluate the performance of a class and to diagnose individuals, and to cope with those students who are not reading as well as they should. Enrollment will be limited to 54. Open to teachers and supervisors of reading and principals (grades 4–9) from Hawaii and designated Western states. Inquiries should be addressed to the director of the institute: Dr. Richard S. Alm, College of Education, University of Hawaii, 1776 University Avenue, Honolulu, Hawaii 96822.

Fourth N.S.F. Science and Mathematics Summer Institute for Teachers of U.S. Children in the Far East, Chofu, Japan. June 12–July 21. 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 U.S. children, by providing some of their teachers with the opportunity to increase subject-matter competence in biology, mathematics, or physical science and to become familiar with a few of the new approaches to the teaching of science and mathematics. Inquiries should be addressed to the director of the institute: Dr. Michael M. Frodyma, Department of Chemistry, University of Hawaii, Honolulu, Hawaii 96822.

Research Program in Marine Biology. The Hawaii Institute of Marine Biology will offer a 12-week research program for graduate students, June 19–September 8, on “Growth and Calcification in Reef-forming Corals and Other Coelenterates.” Six graduate credits may be earned. The program will be limited to 15 students. If a National Science Foundation grant is received, each participant will receive a stipend. Inquiries should be addressed to: Dr. Philip Helfrich, 2538 The Mall, University of Hawaii, Honolulu, Hawaii 96822.

Mental Retardation and Mental Health Work-Study Program. June 19–July 28. To encourage student participation in agencies by combining work experience with an academic program. Community agencies dealing with the retarded and the mentally ill will serve as work-study sites. Supervision is provided by both the agencies and the University. Stipends are available. Inquiries should be addressed to the director of the program: Dr. George A. Fargo, Department of Educational Psychology, University of Hawaii, 1776 University Avenue, Honolulu, Hawaii 96822.

Workshop in Aerospace Education. June 19–July 28. General education approach to aerospace science and technology; social, political, economic, and military implications; designed for teachers of grades K–12 with minimum background in these areas (see Ed CI 495). Inquiries should be addressed to the coordinator of the workshop: Assistant Professor Donald G. Aten, Education Research and Development Center, University of Hawaii, 1776 University Avenue, Honolulu, Hawaii 96822.
Institute on Foods of the Pacific. June 19-July 28. The food habits, customs, and cookery of China, Japan, Korea, the Philippines, and Hawaii (see HE 210). 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). July 10—September 2. A study tour of Europe including the U.S.S.R. and returning round the world via Asia, will be led by Professor Howard P. McKaughan, associate dean of the Graduate Division. After a week of orientation on the campus, the group will leave for Europe on July 14 via Vancouver and Montreal. The tour will include Madrid, Toledo, Aranjuez, Avila, Segovia, La Granja, Paris, Berlin, Nuremburg, Rothenburg, Munich, Garmisch-Partenkirchen, Innsbruck, Venice, Bologna, San Marino, Assisi, Rome, San Gimignano, Florence, Lugano, Locarno, 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. Howard P. McKaughan, 355 Spalding Hall, University of Hawaii, Honolulu, Hawaii 96822.

Study Tour of the Orient. July 8-August 12. A study tour of the Far East and Southeast Asia will be led by Professor Mitsuo Aoki, chairman of the department of religion. After a week of lectures and programs on campus, the group will leave Honolulu on July 8. The itinerary will include Tokyo, Nikko, Kamakura, Hakone, Atami, Kyoto, Nara, Kashikojima, Osaka, Okinawa, Taipei, Toroko Gorge, Manila, Pagsanjan Falls, Corregidor, Singapore, Kuala Lumpur, Bangkok, and Hong Kong. Travel arrangements will be handled by Mrs. Ruth Rittmeister, manager of International Travel Service of Honolulu. Inquiries should be addressed to: Professor Mitsuo Aoki, 343 George Hall, University of Hawaii, Honolulu, Hawaii 96822.

Art and Architecture Study Tour to Europe. July 30-August 30, or August 6-September 13. This tour, led by Professor A. Bruce Etherington, chairman of the department of art, 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. The tour will cover at least four countries in Europe. Inquiries should be addressed to: Professor A. Bruce Etherington, Department of Art, 2560 Campus Road, University of Hawaii, Honolulu, Hawaii 96822.

Field Study in Comparative Education. July 28-September 2. A field study in comparative education, designed to broaden and develop interest in educational issues on an international level through the study of a variety of institutions in many different cultural settings, will be conducted by Dr. Paul A. Walsh, department of educational foundations. The itinerary will include New York, London, Oxford, Stratford-upon-Avon, Cambridge, Rome, Naples, Pompeii, Dubrovnik, Kotor, Budva, St. Stefan, Titograd, Belgrade,
Moscow, Leningrad, Irkutsk, Khabarovsk, Nakhodka, Yokohama, 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. Paul A. Walsh, College of Education, University of Hawaii, 1776 University Avenue, Honolulu, Hawaii 96822.

Textile and Clothing Study Tour of Asia. June 28–August 16. A study tour of the Far East and Southeast Asia with emphasis on traditional and modern textiles and costumes in cultural context planned especially for clothing and textile teachers, clothing specialists, and those allied professionally with the fashion industry. Following a period of orientation, which includes lectures and programs on the University of Hawaii campus, the itinerary will include Tokyo, Nikko, Yokohama, Kamakura, Hakone, Toba, Kyoto, Nara, Hiroshima, Fukuoka, Okinawa, Taipei, Manila, Siem Reap, Bangkok, Chiangmai, Singapore, and Hong Kong. Professor Oma Umbel is director of the tour. Travel arrangements will be handled by Mrs. Ruth Rittmeister, manager of International Travel Service of Honolulu. Inquiries should be addressed to: Miss Oma Umbel, 2515 Campus Road, Miller 109, University of Hawaii, Honolulu, Hawaii 96822.

South Pacific Educational Cruises. A course on Science of the Sea will be offered by Dr. Robert W. Hiatt aboard the S. S. Monterey, leaving San Francisco on June 29 for a cruise of the South Pacific. A course on the Literature of the Pacific will be offered by Dr. A. Grove Day on the S.S. Mariposa, leaving San Francisco on July 23. 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, 2550 Campus Road, Room 208, University of Hawaii, Honolulu, Hawaii 96822; or to the N.E.A. Division of Educational Travel, 1201 16th St., N. W., Washington, D.C. 20036; or to the Division of Educational Services, Matson Lines, 215 Market Street, San Francisco, California 94105.

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 1967 will be printed in Summer 1967, 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 teenage 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 three plays and a dance concert in the John F. Kennedy Theatre, as follows: the famous comedy-melodrama, *Arsenic and Old Lace*, on June 23, 24, 30, and July 1; John Osborne's volatile *Look Back in Anger* on July 7, 8, and 9; Anthony Newley's off-beat musical, *Stop the World, I Want to Get Off*, on July 14, 15, 22, 28, and 29; and a special summer dance concert on July 20 and 21. Admission to the three plays will be free to summer session activity card holders; for the dance concert it will be $2.50 for adults and $1.25 for students. Summer session students may apply for participation in all four productions and the opportunity to work with a small company of semi-professionals; students wishing to receive academic credit for such participation may register for Theatre Workshop (Drama S250).

Tryouts for *Look Back in Anger* and *Stop the World* and dance auditions will be held at the Kennedy Theatre on Tuesday and Wednesday, June 20 and 21, from 1:30 to 3:30 p.m. Students interested in volunteer backstage work may also apply during these hours.

Reserved seat tickets will be available at the Kennedy Theatre box office Monday through Saturday from 9:00 a.m. to 1:00 p.m. during the six-week period (telephone 944-8746 or 944-8747); reservations are held until 1:00 p.m. the day before a performance. 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 tenth annual Festival of the Arts of This Century will be presented concurrently with the
summer session, June 19 to July 29. Sponsored by the University of Hawaii Summer Session and the East-West Center, the Festival is dedicated to the exchange of East-West arts in music, dance, visual arts, and theatre.

Orchestral, solo and ensemble, and electronic music concerts will feature contemporary works by visiting professors José Maceda, Filipino composer, Ernst Krenek, Austrian-American composer, and Chou Wen-chung, Chinese-American composer. Festival performances of Dr. Maceda’s works on instruments of the Philippines will be of special interest. Qualified summer students will have the opportunity to study the performing techniques of these instruments and to participate in the presentation of Dr. Maceda’s works. A young composers concert, featuring University of Hawaii young performers, will present works from an Asian university, a mainland United States university, and the University of Hawaii.

The modern dance concert will feature the appearance of Al Huang, visiting Chinese-American dancer and choreographer. Also appearing in this concert will be the University of Hawaii Dance Theatre. Qualified summer students may study advanced modern technique with Mr. Huang, and will have an opportunity to appear in the Festival dance program.

The department of art will conduct a workshop in kinetic design in conjunction with the Festival. This workshop, for professionals and students, will be in daily operation and will be supplemented by open exhibitions, films and lecture programs on the varied aspects of kinetics in the visual arts. Visiting artists will include Yoshikatsu Tsuboi of Tokyo, and George Rickey, sculptor-educator of New York. Mr. Tsuboi is professor of structural engineering and President of the Japanese Architectural Society; Mr. Rickey is an established sculptor, writer, speaker and educator in New Chatham, New York. Exhibits of their work as well as other individuals and groups involved with kinetic design will be open to the public.

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 quaint atmosphere of Chinatown, 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**

Admission to the University is made without reference to the availability of housing. The University of Hawaii is at present largely a non-resident campus. There will be residence hall accommodations for 476

One of the five dormitory facilities on campus is Gateway House.
THE SUMMER SESSION

students in the 1967 summer session. The University is located in a crowded and growing metropolis with much competition for housing from service personnel and their dependents, and tourists and local residents, as well as students. There is no appreciable number of large rooming or boarding facilities near the campus. Though some new apartments have been recently built in the general vicinity of the University, most of them do not supply linens, bedding, dishes, etc., and the total number is not large. Rooms available to students are scattered throughout Honolulu and only a few are within short walking distance of the campus. These rooms and apartments are neither inspected nor supervised by the University.

CAMPUS HOUSING. Requests for residence hall accommodations should be made directly to: Office of Student Housing, Johnson Hall A, University of Hawaii, Honolulu, Hawaii 96822. 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. Application-contracts must be accompanied by the deposit before consideration for space reservation can be made. The halls are operated on the American plan and the contract is for room and board. Meals include breakfast and lunch, Monday through Friday.

Six-Week Contract

<table>
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<tr>
<th>Room</th>
<th>$125</th>
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<tbody>
<tr>
<td>Board</td>
<td>60</td>
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$185

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.
However, for this summer the Gateway facilities have been committed for conference housing for the last two weeks in July. Therefore, space in Gateway House is available upon application for the first three and a half weeks of summer session only. (June 18 to July 12, 1967.)

There are no facilities on campus for temporary housing or for married couples.

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

OFF-CAMPUS HOUSING. The student housing office offers a listing service. Listings of rooms in private homes and apartments are available in the housing office after the student arrives. The office is unable to send
the names of landlords through the mail because of the rapid turnover in a tight housing market. Negotiations with off-campus landlords must be handled directly by the student. Students arriving in Honolulu without housing reservations are invited to check with the student housing office in Johnson Hall A, for general information on current listings of available accommodations. Office hours are 7:45–11:45 a.m., 12:30–4:30 p.m., Monday through Friday.

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.

Additional Information

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, by Mrs. Ruth Rittmeister, manager of International Travel Service of Honolulu, 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 and the Matson Navigation Company.

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 student mail room, the business 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.

PART-TIME EMPLOYMENT OPPORTUNITIES. There are very few opportunities for part-time employment during the summer period. Students should, therefore, plan to meet all their summer session financial obligations without relying on part-time employment. Students from other states would be well advised to anticipate that living costs in Hawaii may be somewhat higher, and to make appropriate financial preparations accordingly.

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 500 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: Director, University of Hawaii Hilo Campus, Hilo, Hawaii 96720.
Sinclair Library (top) offers summer session students facilities for serious study and research. At the University of Hawaii, research courses (below) are conducted by several departments during the summer.
Courses Offered

Courses numbered 100 to 199 are intended primarily for freshmen and sophomores. Those numbered 200 to 599 are intended primarily for juniors and seniors. Although these courses are open to graduate students, only those numbered from 400 to 599 carry graduate credit. Courses numbered 600 to 799 are primarily for graduate students. 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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<th>50-MINUTE CLASSES</th>
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First Term June 19–July 28

Agriculture, Tropical

Agriculture (AG)

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. Prerequisite: consent of instructor.

429 AGRICULTURAL POLICY AND PLANNING (3) Staff

H. Spielmann
Roles of government and private enterprise in agriculture. Prerequisite: Econ 150–151 or consent of instructor.
TTh 1:30-4:45

430 AGRICULTURAL FINANCE (3) Staff

B. F. Lucas
Financing of agricultural production and marketing enterprises and operation of agricultural credit systems. Prerequisite: 327 or consent of instructor.
MW 1:30-4:45

699 DIRECTED RESEARCH (arr.) Staff
Agricultural Engineering (AE)

699 DIRECTED RESEARCH (arr.)  Staff

Agronomy (Agron)

699 DIRECTED RESEARCH (arr.)  Staff

Animal Sciences (An Sc)

341 LIVESTOCK MANAGEMENT (4)  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

Entomology (Ento)

399 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

Horticulture (Hort)

699 DIRECTED RESEARCH (arr.)  Staff

Plant Pathology (PPath)

699 DIRECTED RESEARCH (arr.)  Staff

Soils (Soils)

699 DIRECTED RESEARCH (arr.)  Staff

799 DIRECTED RESEARCH (arr.)  Staff

American Studies (Am St)

486 CONTEMPORARY AMERICAN CIVILIZATION: THE NEGRO REVOLUTION (3)  J. P. Gurian
Emotions, issues, and programs of the current “Negro Revolution,” and how they developed out of the political and social past.
Daily 10:10–11:25

685 NATURE OF AMERICAN SOCIETY (3)  J. McCutcheon
Examination and interpretation of the American people and society for foreign students. Prerequisite: consent of instructor.
Daily 8:45–10:00
Anthropology (Anth)

150  INTRODUCTION TO ANTHROPOLOGY (3)  R. Harrison
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)  L. Schwartz
Nature of culture; basic concepts for analyzing cultural behavior; patterning, integration, and dynamics of culture; culture and the individual.
Daily 8:45–10:00

240(1)  HUMAN EVOLUTION (3)  J. Kelso
General survey of the fossil evidence for human evolution. Consideration of the evolutionary mechanisms involved in the formation of the varieties of man.
Daily 10:10–11:25

401(1)  PSYCHOLOGY OF CULTURE (2)  T. Sofue
Mutual influences between culture and the individual. Effect of socially sanctioned goals and values on attitudes and behavior. Role of socially sanctioned goals and values in cultural context.
Daily 11:35–12:25

440(1)  REGIONAL CULTURES OF ASIA (Continental East Asia—Japan) (2)  T. Sofue
Historical problems and regional developments in ecology, social structure, world view, and other aspects of selected indigenous cultures. Prerequisite: 200, or consent of instructor.
Daily 9:10–10:00

440(2)  REGIONAL CULTURES OF ASIA (Continental Southeast Asia) (2)  R. Harrison
Historical problems and regional developments in ecology, social structure, world view, and other aspects of selected indigenous cultures. Prerequisite: 200, or consent of instructor, or Asian Studies 301, 302.
Daily 11:35–12:25

450(1)  REGIONAL CULTURES OF OCEANIA (Hawaii) (3)  F. Meinecke
Historical problems and regional developments in ecology, social structure, world view, and other aspects of indigenous cultures. Prerequisite: 200, 250, or consent of instructor.
Daily 10:10–11:25

450(3)  REGIONAL CULTURES OF OCEANIA (Polynesia) (2)  H. Barnett
Historical problems and regional developments in ecology, social structure, world view, and other aspects of indigenous cultures. Prerequisite: 200, 250, or consent of instructor.
Daily 9:10–10:00

750(1)  RESEARCH SEMINAR: ARCHEOLOGY (3)  W. Solheim
Reporting and discussion of selected problems in current research. Prerequisite: consent of instructor.
Hrs. arr.

750(4)  RESEARCH SEMINAR: SOCIAL ANTHROPOLOGY (3)  H. Barnett
Reporting and discussion of selected problems in current research. Prerequisite: consent of instructor.
Hrs. arr.
June 12–August 4
Art

Architecture (Arch)

138 Architectural Design (3)  H. Burgess
Design of simple buildings in relation to environment; discussion, field trips, sketch problems. Prerequisite: 137.
Daily 8:10–12:00

171 Architectural History (3)  Kobayashi
General survey of all periods; reference reading, illustrated lectures, discussions.
Daily 1:10–2:25

238 Architectural Design (3)  H. Burgess
Building programs developed by means of planning, function, group, site; methods of research and analysis; introduction to the elements of landscape and architecture. Prerequisite: 139.
Daily 8:10–12:00

400 Workshop in Kinetic Architecture (3)  Staff

Art (Art)

101 Introduction to the Visual Arts (3)
Nature of visual art and its expression in various forms. Lectures, demonstrations, museum visits.
Daily 8:45–10:00

103 Art Fundamentals (2)  P. Persson
Background material and studio practice to stimulate understanding of the arts. Lectures, museum visits, studio work.
Daily 10:10–12:00

104 Art Fundamentals (2)  G. Pike
Background material and studio practice to stimulate understanding of the arts. Lectures, museum visits, studio work. Prerequisite: 103.
Daily 1:10–3:00

111 Drawing (2)  P. Persson, G. Clapsaddle, R. Hayashida
(3 sections)
Basic principles of drawing in a variety of media.
Daily (1) 8:10–10:00 (Persson)
(2) 10:10–12:00 (Clapsaddle)
(3) 1:10–3:00 (Hayashida)

112 Drawing (2)  S. Yamada
Basic principles of drawing in a variety of media. This course or its equivalent is prerequisite to all advanced studio courses. Prerequisite: 111 or equivalent.
Daily 1:10–3:00

131 Visual Design (2)  G. Cooper, S. Hayase
(2 sections)
Elements and principles of visual organization.
Daily (1) 8:10–10:00 (Cooper)
(2) 10:10–12:00 (Hayase)
132 VISUAL DESIGN (2) C. W. Anderson
Elements and principles of visual organization. This course or its equivalent is prerequisite to all advanced studio courses. Prerequisite: 131 or equivalent.
Daily 8:10–10:00

136 WEAVING (2) J. Williams
(2 sections)
Creative processes of weaving. Warping and threading of simple hand looms and multiple harness looms.
Daily (1) 8:10–10:00
(2) 10:10–12:00

141 CERAMICS (2) R. Lintault, S. Pleyte, S. Yamada
(4 sections)
Methods and principles of creating pottery by hand.
Daily (1) 8:10–10:00 (Lintault)
(2) 10:10–12:00 (Lintault)
(3) 1:10– 3:00 (Pleyte)
(4) 3:10– 5:00 (Yamada)

142 CERAMICS (2) S. Pleyte, C. Horan
(3 sections)
Introduction to wheel throwing and emphasis on designing of utilitarian wares. Prerequisite: 141.
Daily (1) 8:10–10:00 (Pleyte)
(2) 10:10–12:00 (Horan)
(3) 1:10– 3:00 (Horan)

151 SCULPTURE (2) M. Sato
Study of the qualities of form and structure in sculpture; methods of construction using a variety of materials and techniques.
Daily 8:10–10:00

171 ASPECTS OF WESTERN ART (3) P. Neogy
Historical relationship of major styles in the visual arts of European, African, and post-Colonial American traditions.
Daily 1:10–2:25

181 COMPARATIVE ASPECTS OF ASIAN ART (3) P. Neogy
Historical relationships of major visual art styles of Asian traditions, including the Pacific area and pre-Colonial Americas.
Daily 10:10–11:25

215 INTRODUCTION TO PRINTMAKING (2) J. Murray
Introduction to studio practice in intaglio processes. Prerequisite: 112, 132, or equivalent.
Daily 8:10–10:00

221 PAINTING (2) J. Rosen
Problems in the creation of visual forms. Prerequisite: 112, 132, or equivalent.
Daily 10:10–12:00

235 TEXTILE DESIGN (2) M. Everson
Execution of individual problems in design on fabrics, utilizing such media as block print, stencil, silk screen. Prerequisite: 132.
Daily 8:10–10:00
251 SCULPTURE (2)  
M. Sato
Developing concepts of scale relative to form; techniques of casting, forging, and repoussé are considered. Prerequisite: 152 or equivalent.
Daily 10:10–12:00

263 LETTER FORMS (2)  
K. Kingrey
The letter as a visual element in design organization. Prerequisite: 112, 132, or equivalent.
Daily 8:10–10:00

311 FIGURE DRAWING (2)  
J. Rosen, K. Bushnell
(2 sections)
Basic principles of drawing the human figure, including the study of anatomy and articulation. The figure as a foundation of knowledge and skill and for its imaginative use. Prerequisite: 112 or equivalent.
Daily (1) 8:10–10:00 (Rosen)
(2) 10:10–12:00 (Bushnell)

315 PRINTMAKING (2)  
J. Wisnosky
Printmaking: relief, intaglio, and photo process. Prerequisite: 112, 132, 311, 315 or equivalent.
Daily 10:10–12:00

316 ILLUSTRATION (2)  
C. W. Anderson
Problems of illustration with emphasis on individual experimentation. Various media for reproduction. Prerequisite: 112, 132, or equivalent.
Daily 10:10–12:00

321 ADVANCED PAINTING (2)  
K. Bushnell
Continuation of 221–222.
Daily 8:10–10:00

323 WATERCOLOR PAINTING (2)  
J. H. Cox
Technique of watercolor; studio and outdoor painting; imaginative expression of form and idea in watercolor. Prerequisite: 112, 132. Desirable preparation: 222.
Daily 8:10–10:00

363 ADVANCED VISUAL DESIGN (2)  
K. Kingrey
Investigation into the processes of visualization; its expression and control. Prerequisite: 112, 132.
Daily 10:10–12:00

476 ITALIAN RENAISSANCE PAINTING AND SCULPTURE (3)  
C. Decker
Development of painting and sculpture in Italy during the Renaissance. Prerequisite: 171, or Hist 152 or 162.
Daily 10:10–11:25

478 19th-CENTURY PAINTING AND SCULPTURE (3)  
C. Decker
Development of 19th-century European schools of painting and sculpture.
Daily 8:45–10:00

487 ARTS OF THE PACIFIC (3)  
J. H. Cox
Stylistic and aesthetic characteristics of arts of Oceania, including Australia, Indonesia, Micronesia, and Polynesia.
Daily 10:10–11:25

537 RUGS AND TAPESTRY (2)  
M. Everson
Design and execution of rugs and tapestries employing standard and experimental materials and techniques. Prerequisite: 137 or equivalent.
Daily 10:10–12:00
641 CERAMICS (2) C. Horan
(2 sections)
Individual problems in advanced ceramics, using the potter's wheel and hand-building techniques. Prerequisite: consent of chairman and instructor.
Daily (1) 10:10–12:00
(2) 1:10–3:00

Asian Studies (Asian)

610 ASIA (3) H. Kublin
Interdisciplinary study of Asian countries, with special attention to South, Southeast, and East Asia.
Daily 7:20–8:35

612 TEACHING AND STUDYING ABOUT ASIA (3) H. Kublin
Primarily for secondary school teachers and college instructors. Model lectures on the history and cultures of China, Japan, Southeast Asia, and India devoted to key concepts, generalizations, and themes around which introductory courses on Asia may be developed. Attention to such topics as geography, religions, social and political systems, and biography. Discussion of reading materials, teaching aids, and audiovisual techniques.
Daily 10:10–11:25

Botany (Bot)

105 HAWAIIAN AND PACIFIC ETHNOBOTANY (3) A. Check
Plants and their influence upon the culture of Hawaii and the Pacific prior to European contact; uses of cultivated and wild plants for food, beverage, clothing, dye, utensils, etc.
Daily 1:10–2:25

181 PLANT LIFE OF THE SEA (4) W. J. Newhous
Kinds of marine plants, the algae and seaweeds, where they grow, and the part they play in the productivity of the sea. Sea-shore trips. Prerequisite: an introductory college biology course.
Daily 7:45–9:30

399 BOTANICAL PROBLEMS (arr.)
Limited to senior majors with 2.7 grade-point ratio, or 3.0 grade-point ratio in botany. May be repeated.
Hrs. arr.

426 HISTORY OF BIOLOGY (3) J. Ewan
(Same as General Science 426)
Growth of biological concepts from primitive man to 20th-century considered against world geography, social history, geopolitics and the rise of scientific societies, institutions, expeditions and field stations.
Daily 10:10–11:25

466 BOTANY OF COOK'S VOYAGES (2) J. Ewan
(Same as General Science 466)
Botanical knowledge gained from the expeditions of James Cook to the South Pacific with special reference to the First Voyage and its significance in the history of plant classification.
Daily 7:45–8:35
Graduate Courses in Business Administration

All courses listed below will be offered from June 19–September 8.

**Bus 610** ECONOMIC ANALYSIS FOR BUSINESS (3)  
Economic analysis and background of the business firm, economic decisions, and economic environment of business.  
MW 7:45–9:20 p.m.

**Bus 615** QUANTITATIVE METHODS FOR BUSINESS (3)  
Mathematical methods and techniques of statistical inference used in business.  
MW 6:00–7:35 p.m.

**Bus 620** ACCOUNTING (3)  
Introduction to financial and managerial accounting with emphasis on uses of accounting information in the planning and control of business enterprise by decision-makers.  
MW 4:00–5:35 p.m.

**Bus 630** FINANCE (3)  
Analysis of fundamental financial problems. Financial planning and management, capital budgeting, securities and other financial instruments, financial markets, and principal financial intermediaries. Prerequisite: Bus 620.  
MW 6:00–7:35 p.m.

**Bus 635** MARKETING (3)  
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 6:00–7:35 p.m.

**Bus 640** PERSONNEL AND INDUSTRIAL RELATIONS (3)  
Analysis and critical evaluation of those issues, policies, and trends in personnel and labor relations which are of concern to management.  
TTh 4:00–5:35 p.m.

**Mkt 731** MARKETING COMMUNICATION AND PROMOTIONAL STRATEGY (3)  
Variables that affect or control the communication process: theoretical considerations stressed in presenting hypotheses, techniques, and research studies. Within this framework advertising, personal selling, and promotion viewed analytically.  
TTh 6:00–7:35 p.m.

**PIR 740** MANAGEMENT STAFFING AND DEVELOPMENT (3)  
Line and staff responsibilities for attraction, motivation, appraisal, and development of managerial personnel at all levels of organization.  
TTh 7:45–9:20 p.m.
Business Administration

Accounting (Acc)

100 ELEMENTARY ACCOUNTING (3)  
H. Lowe, J. Norem  
(2 sections)  
Theory and practice of income determination and asset valuation. Preparation and analysis of statements; uses for decision making. Prerequisite: sophomore standing.  
MWF (1) 7:45- 9:30 (Lowe)  
Laboratory TTh 7:45- 9:30  
(2) 9:40-11:25 (Norem)  
TTh 9:45-11:25

101 ELEMENTARY ACCOUNTING (3)  
D. Corbin  
Theory and practice of income determination and asset valuation. Preparation and analysis of statements; uses for decision making. Prerequisite: Acc 100.  
MWF 7:45–9:30  
Laboratory TTh 7:45–9:30

200 INTERMEDIATE ACCOUNTING (3)  
H. Lowe  
Critical examination of generally accepted accounting principles as applied to preparation and use of financial statements. Prerequisite: Acc 101.  
Daily 10:10–11:25

315 COST ACCOUNTING (3)  
J. Norem  
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.  
Daily 11:35–12:50

Business Analysis and Statistics (BAS)

110 APPLIED MATHEMATICS (3)  
Kim  
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). Prerequisite: Math 134.  
Daily 7:20–8:35

300 BUSINESS STATISTICS (3)  
Kim, 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 aid to managerial decisions.  
Daily (1) 10:10–11:25 (Kim)  
(2) 8:45–10:00 (Congdon)

301 BUSINESS STATISTICS (3)  
Congdon  
Prerequisite: 300.  
Daily 11:35–12:50

315 ELECTRONIC DATA PROCESSING FOR BUSINESS (3)  
Zuwaylif  
Computers and their memories, inputs and outputs, punched card layouts, possibilities for calculation and decision, program coding, and report writing.  
Daily 7:20–8:35

320 INTRODUCTION TO QUANTITATIVE ANALYSIS (3)  
Sasaki  
Tools and techniques for elementary operations research studies: introductory analysis of matrices, determinants and vector analysis for input-output, linear programming, and theory of games. Prerequisite: Math 134, BAS 110.  
Daily 10:10–11:25
Business Economics (BEc)

303 MONEY, CREDIT AND THE CAPITAL MARKET (3)  
Kirkpatrick  
Nature and functions of money, debt and credit, liquidity; financial institutions and money market analysis; fund flow analysis.  
Daily 7:20-8:35

340 MANAGERIAL ECONOMICS I (3)  
Weintraub  
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. Prerequisite: Math 134, BAS 110.  
Daily 11:35-12:50

Finance (Fin)

300 BUSINESS FINANCE (3)  
L. Darbyshire  
Study of the forms and sources of financing business firms large and small, corporate and non-corporate. Emphasis on financial planning and developing judgment in formulating decisions on financial problems. Financial policies also considered in their social, legal, and economic effects. Prerequisite: Acc 101, Econ 150.  
Daily 8:45-10:00

Management (Mgt)

300 PRINCIPLES OF MANAGEMENT (3)  
R. Moseley  
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 7:20-8:35

320 OPERATIONS MANAGEMENT I (3)  
E. Richman  
Planning for effective office and manufacturing operations: historical development, human factors, methods analysis, work measurement, location, layout, machines and equipment, records management.  
Daily 8:45-10:00

321 OPERATIONS MANAGEMENT II (3)  
E. Richman  
Control techniques for office and manufacturing operations: inventory and production planning and control, inspection and statistical quality control, computers and automation. Prerequisite: 320.  
Daily 11:35-12:50

350 BUSINESS POLICY (3)  
R. Moseley  
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. Prerequisite: senior standing.  
Daily 10:10-11:35

Marketing (Mkt)

300 PRINCIPLES OF MARKETING (3)  
L. Jacobs  
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
340 RETAILING MANAGEMENT (3) L. 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 11:35–12:50

Chemistry (Chem)

104 GENERAL CHEMISTRY (4) Staff
Fundamental laws, principles, and methods. Prerequisite: 103. Terminal course for those students desiring only one year of college chemistry.
Daily 8:30–10:00 Laboratory TTh 1:00–5:00

141 ELEMENTS OF ORGANIC CHEMISTRY (4) Staff
Survey course. Chemistry of carbon compounds. Prerequisite: 104 or 106.
Daily 8:30–10:00 Laboratory MW 1:00–5:00

331 ELEMENTARY QUANTITATIVE ANALYSIS (4) Staff
Beginning gravimetric and volumetric analysis. Prerequisite: 106; Math 103 or equivalent.
Daily 11:35–12:25 Laboratory (1) Daily 8:30–11:30
(2) Daily 1:30–5:00

Chinese (Chin)

111 INTENSIVE ELEMENTARY CHINESE (6) Staff
(3 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.
Daily (1) 9:00–12:00; 1:30–3:30 Laboratory No. 1 (Webster 303)
(2) 9:00–12:00; 1:30–3:30 8:30–8:50; 1:00–1:20
(3) 9:00–12:00; 1:30–3:30 8:30–8:50; 1:00–1:20

161 INTERMEDIATE CHINESE (4) Staff
Continuation of 101–102. Language lab practice required daily.
Daily 7:40–10:00 Laboratory No. 2 (Webster 302)

209 THIRD-LEVEL CHINESE—MODERN (3) Staff
Reading and discussion of materials related to academic and cultural topics. Prerequisite: 162 or equivalent.
Daily 8:45–10:00
401 CHINESE LITERATURE IN ENGLISH (2)  
R. McLeod  
Historical survey of classical Chinese literature (verse and prose) in relation to Chinese culture. Prerequisite: two semesters of literature in English department. Daily 1:35-2:25

408 CHINESE STRUCTURE (3)  
Staff  
Introductory study of the phonology, morphology, and syntax of Mandarin Chinese including some discussion of usage and of linguistic geography. Prerequisite: 162 or equivalent. Daily 10:10-11:25

409 FOURTH-LEVEL CHINESE—MODERN (3)  
S. Jen  
Reading and discussion of academic materials and modern literature, including essays, short stories, plays. Prerequisite: 210 or equivalent. Daily 1:10-2:25

**Drama and Theatre (Drama)**

140 INTRODUCTION TO DRAMA AND THEATRE (3)  
Kernodle  
Representative plays from Miller's *Death of a Salesman* to Aeschylus' *Agamemnon*, studied as illustrative of changing forms in the theatre and dramatic literature. Daily 8:45-10:00

150 DRAMATIC PRODUCTION (3)  
Soller  
Introduction to process of converting the play into the performance. Daily 10:10-11:00  
Laboratory hrs. arr.

250 THEATRE WORKSHOP (3)  
Langhans  
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

410 CREATIVE DRAMATICS (3)  
Bentley  
Intensive study of dramatic activities for children and young people; designed for teachers, group workers, recreation majors, and others dealing with children. Daily 11:35-12:50

420 ACTING (3)  
MacQueen  
Individual exercises and group rehearsals. In addition to work in course, students must try out for summer productions and must play at least one role in public performance. May be repeated for credit. Daily 11:35-12:50

423 THE THEORY AND PRACTICE OF COMEDY (3)  
Kernodle  
The principal theories of comedy; consideration of creation and control of comic effects by director, actor, and designer. Lectures, papers, classroom acting of short scenes. Daily 10:10-11:25

424 BEGINNING DANCE TECHNIQUES (3)  
Wolz  
Training in modern dance and stage movement to develop flexibility, control, rhythm, and expressiveness. Prerequisite: consent of instructor. Daily 11:35-12:50
425  ADVANCED DANCE TECHNIQUES (3)  Huang
Training in modern dance and stage movement to develop flexibility, control, rhythm, and expressiveness. Prerequisite: consent of instructor.
Daily 1:10-2:25

426  DANCE WORKSHOP (1)  Huang
Preparation of standard and new works for performance. May be repeated. Prerequisite: consent of instructor.
Hrs. arr.

427  BALLET TECHNIQUE (3)  Sasa
Training in the standard vocabulary of movement of classical ballet.
Daily 10:10-11:25

430  DIRECTION (3)  MacQueen
Readings, reports, discussion of the theory and practice of stage direction.
Daily 1:10-2:25

550  HISTORY OF THE THEATRE (3)  Langhans
Survey of development of the theatre from earliest times to the present.
Daily 10:10-11:25

560  THE JAPANESE THEATRE (3)  Ortolani
Survey of the principal forms—Noh, the doll theatre, Kabuki, and modern drama.
Daily 8:45-10:00

750  SEMINAR IN ORIENTAL THEATRE (3)  Ortolani
Special topics in the drama and theatre of the Orient. Prerequisite: consent of instructor.
MWF 11:35-1:40

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**Economics (Econ)**

150  PRINCIPLES OF ECONOMICS (3)  Hoffman
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 7:20-8:35

240  MONEY AND BANKING (3)  Klein
Study of relation of monetary system to price level, employment, and income. Considers nature and function of money and banking, role of money in international trade, monetary theories, inflation.
Daily 10:10-11:25

302  INTERMEDIATE ECONOMIC THEORY: NATIONAL INCOME (3)  Weintraub
Concepts; determination of income, employment, price levels; effects of fiscal, monetary, other policies.
Daily 8:45-10:00

410  ASIAN ECONOMIC DEVELOPMENT (3)  Lim
General overview of change and growth in economics of major Asian nations. Population and national income growth; savings, investment and consumption patterns. Role of government and private enterprise. Prerequisite: 150.
Daily 1:10-2:25
417 ECONOMIC DEVELOPMENT OF U.S. (3) Saraydar
Emphasizes period since World War I, with growing importance to U.S. economy of international trade and finance. Consideration of changing patterns of investment, consumption, employment. Prerequisite: 150; 151 highly desirable.
Daily 7:20-8:35

430 COMPARATIVE ECONOMIC SYSTEMS (3) Wise
Daily 10:10-11:25

450 PUBLIC FINANCE (3) Hoffman
Considers governmental expenditures, revenues and debt, both descriptively and theoretically; fiscal policy; budgeting and tax administration.
Daily 8:45-10:00

460 INTERNATIONAL TRADE AND FINANCE (3) Wise
Theoretical, institutional, and historical aspects of international economic relations considered, including foreign exchange rates, balance of payments adjustment, tariffs, quotas, and trading blocs.
Daily 7:20-8:35

470 GOVERNMENT AND BUSINESS (3) Klein
Consideration of economic aspects and consequences of regulation by government of business activity, with emphasis on regulatory boards; economic analysis related to policy issues.
Daily 2:35-3:50

502 AMERICAN ECONOMIC POLICY (3) Lim
Analytical techniques applied to problems of contemporary interest, e.g. effects of automation, regional stagnation, stimulation of investment and consumption.
Daily 11:35-12:50

699 DIRECTED RESEARCH (arr.) Staff
Prerequisite: consent of department chairman.

Education

Curriculum and Instruction (Ed CI)

225 CHILDREN'S LITERATURE (2) Kuhn
(2 sections)
Acquaintance with a wide range of children's books; criteria for judging literature on basis of needs and interests. Prerequisite: 341.
Daily (1) 7:45- 8:35
(2) 9:10-10:00

238 PHYSICAL EDUCATION, SECONDARY (2) Tominaga
Methods and materials in conduct of the physical activities program; techniques in leadership; selection of activities and program evaluation. Prerequisite: 341.
Daily 11:35-12:25
320 LANGUAGE ARTS, ELEMENTARY (2)  
Braun, W. Wiley  
(2 sections)  
Modern approach to the teaching of language arts—reading, oral and written expression. Prerequisite: 341.  
Daily (1) 7:45–8:35 (Wiley)  
(2) 10:10–11:00 (Braun)  

321 READING, ELEMENTARY (2)  
Cianciola  
(2 sections)  
Survey of the reading process: development of reading readiness, word recognition, comprehension, reading rate, vocabulary, reading interests and reading in the content areas. Selection and use of reading materials, and evaluation and appraisal of reading progress.  
Daily (1) 7:45–8:35  
(2) 10:10–11:00  

322 SOCIAL STUDIES, ELEMENTARY (2)  
Kendall  
Major purposes: to point out special contribution of social studies to the elementary curriculum; to aid students in developing sound instructional programs and procedures in elementary social studies. Prerequisite: 341.  
Daily 7:45–8:35  

323 SCIENCE, ELEMENTARY (2)  
Lowery  
Science education in the elementary school; developing concepts and understandings. Prerequisite: 341.  
Daily 9:10–10:00  

324 MATHEMATICS, ELEMENTARY (2)  
Staff  
Purposes, procedures, scope, and organization in developing underlying concepts of elementary mathematics; analysis of new elementary mathematics programs; techniques, relative merits, and roles of inductive and deductive approaches to new ideas. Prerequisite: 341, Math 111 or 100.  
Daily 11:35–12:25  

326 CREATIVE ART, ELEMENTARY (2)  
Treat, Andrews  
(3 sections)  
Understanding scope and importance of art in the elementary school curriculum and creative use of art media through laboratory experiences. Prerequisite: 341, Art 101.  
Daily (1) 7:20–9:35 (Treat)  
(2) 10:10–12:25 (Treat)  
(3) 10:10–12:25 (Andrews)  

329 CURRICULUM DEVELOPMENT IN CREATIVE EXPRESSION (3)  
Hayes  
Development of communication skills through creative dramatics, rhythmic movement, and related arts. 8:45–10:00 a.m. must be reserved for observation. Prerequisite: 341 or consent of instructor.  
Daily 11:35–12:50  

331 TEACHING OF READING IN INTERMEDIATE AND HIGH SCHOOL (2)  
Tanouye  
Techniques and materials for teaching reading and improving reading skills in intermediate and high school.  
Daily 2:35–3:25  

332 SOCIAL STUDIES, SECONDARY (3)  
Fultz  
Scope and organization of social studies in the secondary school; development of social knowledge and understanding. Prerequisite: 341.  
Daily 10:10–11:25
341(5)(6) FOUNDATIONS IN CURRICULUM AND INSTRUCTION: 
ELEMENTARY SCHOOL (3) Fujita, Braun 
(2 sections)
Study of the objectives and organization of the school's curriculum; discussion of 
principles and practices; roles of the teacher in the school. Prerequisite: Ed EP 372. 
(Not required of students who have had Ed EE 220, 221, 224, or Ed SE 230.) 
Daily (5) 10:10–11:25 (Fujita) 
(6) 7:20–8:35 (Braun) 

341(10) FOUNDATIONS IN CURRICULUM AND INSTRUCTION: 
SECONDARY SCHOOL (3) Nelson 
Study of the objectives and organization of the school's curriculum; discussion of 
principles and practices; the roles of the teacher in the school. Prerequisite: Ed EP 
372. (Not required of students who have had Ed EE 220, 221, 224, or Ed SE 230.) 
Daily 10:10–11:25 

440(9) PRACTICUM IN SCIENCE CURRICULUM DEVELOPMENT: 
SCIENCE EDUCATION (2) Campbell 
For teachers-in-service of grades 4–8 and others interested in science as a field of 
specialization in elementary teaching. Review of basic principles of physical science; 
demonstration of selected principles and techniques; development of curriculum 
materials of practical use. Prerequisite: related undergraduate methods course. 
MTWTh 11:35–12:50 

495 AEROSPACE EDUCATION WORKSHOP (5) Crum 
Introduction to aerospace science and technology and the 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: $15.00. 
Daily MWF 8:00–12:00 
TTh 8:00–3:30 

527 METHODS AND MATERIALS FOR THE STUDY OF HAWAII (3) Fitzsimmons 
(2 sections)
A course on the State of Hawaii organized to have island teachers study content, 
materials, and activities that may be used particularly in the fourth through the 
seventh grades of our state schools. Prerequisite: 322; 341 or teaching experience. 
Daily (1) 10:10–11:25 
(2) 1:10–2:25 

531 EDUCATION OF THE SLOW LEARNERS (3) O. Johnson 
(Students must enroll in both 531 and 532)
Characteristics and educational provisions for the slow learning children. 
Daily 8:45–10:00 

532 CURRICULUM DEVELOPMENT AND INSTRUCTION FOR THE SLOW LEARNERS (3) O. Johnson 
(Students must enroll in both 532 and 531)
Development of curricula and use of instructional materials for teaching slow learners 
in grades K–12. 
Daily 10:10–11:25 

620 TEACHING READING IN THE ELEMENTARY SCHOOL (2) Gillespie 
(2 sections)
Theory and practice in teaching of reading from initial readiness stage through inter-
mediate (upper elementary) grades. Current practices in methodology, organizational 
patterns, and evaluation examined critically. Prerequisite: teaching experience. 
Daily (1) 10:10–11:00 
(2) 11:35–12:25
621 MODERN LANGUAGE ARTS PROGRAM, ELEMENTARY (2) Gillespie, B. Freeman
(2 sections)
Current research; critical examination of educational procedures in teaching the language arts. Prerequisite: basic course in teaching language arts; teaching experience.
Daily (1) 7:45-8:35 (Gillespie)
(2) 1:35-2:25 (Freeman)

622 ELEMENTARY SCHOOL CURRICULUM (3) Drummond
Theoretical foundations of curriculum development; curriculum research; critical examination of current practices in curriculum development for the elementary school. Prerequisite: 341 or equivalent; teaching experience.
Daily 8:45-10:00

623 THE ELEMENTARY SCIENCE CURRICULUM (3) Lowery
Application of recent development in science, curriculum construction, and learning theory to the elementary school. Science content as well as methodology stressed. Prerequisite: 323 and teaching experience.
Daily 7:20-8:35

624 THE ELEMENTARY MATHEMATICS CURRICULUM (3) Staff
Analysis of research relating to teaching and learning arithmetic with attention to application of research findings to classroom procedures. Appraisal of recent curricular trends along with critical examination of the assumptions underlying the proposed change. Prerequisite: 324 and teaching experience.
Daily 1:10-2:25

625 THE ELEMENTARY SOCIAL STUDIES CURRICULUM (3) Drummond
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. Prerequisite: 322 and teaching experience.
Daily 11:35-12:50

626 ART IN ELEMENTARY EDUCATION (3) Andrews
Principles of and problems in teaching art in the elementary school; curriculum development and current approaches in art education; laboratory experiences in art media. Prerequisite: 326; Art 101.
Daily 7:20-9:35

629 CURRICULUM DEVELOPMENT IN CREATIVE EXPRESSION (3) Hayes
Leadership training for teachers of creative dramatics, rhythmic movement, and the related arts. 8:45-10:00 a.m. must be reserved for observation. Prerequisite: 329; Drama 410, or consent of instructor.
Daily 7:20-8:35

630 SECONDARY SCHOOL PUBLICATIONS (4) B. Wilay
Principles and practices of planning and publishing secondary school newspapers, yearbooks, literature magazines, and other publications. Special attention to problems and responsibilities of publication advisers in secondary schools. Prerequisite: consent of instructor, 330 or equivalent methods course.
Daily 11:35-2:50

634 EXTRACLASS ACTIVITIES IN SECONDARY SCHOOLS (2) Meyer
Planning and supervising student government, dramatics, athletics, school journalism, and other activities.
Daily 10:10-11:00
635  JUNIOR HIGH SCHOOL CURRICULUM (3)  
Fultz  
Programs for the intermediate school; relationship of teachers, administrators, and parents; curriculum problems; evaluation. Prerequisite: teaching experience.  
Daily 1:10-2:25

636  SECONDARY SCHOOL CURRICULUM (3)  
Martin, D. Noda  
(2 sections)  
Principles and techniques of curriculum improvement at secondary school level. Prerequisite: teaching experience.  
Daily (1) 7:20–8:35 (Martin)  
(2) 10:10–11:25 (Noda)

637  ART IN SECONDARY EDUCATION (3)  
Pickens  
Principles of and problems in teaching art in secondary school; current approaches in teaching art. Prerequisite: 336 and consent of instructor.  
Daily 2:35–3:50

640(1)  SEMINAR IN TEACHING FIELDS: BUSINESS EDUCATION (3)  
Moriwaki  
Study of trends, research, and problems of implementation in special areas of teaching in the secondary school. Prerequisite: undergraduate special methods course in appropriate teaching field; teaching experience. Field of study must be designated at registration. Consent of instructor.  
Daily 1:10–2:25

640(3)  SEMINAR IN TEACHING FIELDS: FOREIGN LANGUAGE EDUCATION (3)  
A. Moore  
Study of trends, research, and problems of implementation in special areas of teaching in the secondary school. Prerequisite: undergraduate special methods course in appropriate teaching field; teaching experience. Field of study must be designated at registration. Consent of instructor.  
Daily 7:20–8:35

640(8)  SEMINAR IN TEACHING FIELDS: READING EDUCATION (3)  
J. W. Conner  
(2 sections)  
Study of trends, research, and problems of implementation in special areas of teaching in the secondary school. Prerequisite: undergraduate special methods course in appropriate teaching field; teaching experience. Field of study must be designated at registration. Consent of instructor. (Enrollment open to experienced teacher fellowship students—8 in each section.)  
Daily hrs. arr.

640(9)  SEMINAR IN TEACHING FIELDS: SCIENCE EDUCATION (3)  
Campbell  
Study of trends, research, and problems of implementation in special areas of teaching in the secondary school. Prerequisite: undergraduate special methods course in appropriate teaching field; teaching experience. Field of study must be designated at registration. Consent of instructor.  
Daily 8:45–10:00

667  CURRICULUM TRENDS IN EARLY CHILDHOOD EDUCATION (3)  
B. Freeman  
Study of current issues and problems in kindergarten and early elementary education with emphasis on program planning for curriculum improvement. Prerequisite: 341 or equivalent, and teaching experience.  
Daily 8:45–10:00

679(5)(6)  SUPERVISION OF STUDENT TEACHING: ELEMENTARY EDUCATION (2)  
Fujita, Inn  
(2 sections)  
Principles and methods; role of the supervisor; human relations in supervision of student teaching. Prerequisite: teaching experience; consent of instructor.  
Daily (1) 7:45–8:35 (Fujita)  
(2) 9:10–10:00 (Imn)
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor(s)</th>
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<tr>
<td>679</td>
<td>Supervision of Student Teaching: Secondary Education (2)</td>
<td>Nelson</td>
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<td>Principles and methods; role of the supervisor; human relations in supervision of student teaching. Prerequisite: teaching experience; consent of instructor. Daily 7:45-8:35</td>
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<td>722</td>
<td>Seminar in Elementary Curriculum Foundations (3)</td>
<td>Kendall</td>
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<td>Advanced study in the development and improvement of the curriculum of the elementary schools. Prerequisite: 622; consent of instructor. May be repeated once for credit. Daily 10:10-11:25</td>
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<td>733</td>
<td>Seminar in Curriculum, Secondary (3)</td>
<td>Martin, Meyer</td>
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<td>(2 sections)</td>
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<td>Advanced study in the development and improvement of the curriculum of the secondary schools. Required of Plan B M.Ed. candidates in their final semester or summer session. Prerequisite: 636; consent of instructor. May be repeated once for credit. Daily (1) 10:10-11:25 (Martin) (2) 1:10-2:25 (Meyer)</td>
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<td>Wahiawa</td>
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<td>531</td>
<td>Education of the Slow Learners (3)</td>
<td>Gorelick</td>
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<td>(Student must enroll in both 531 and 532)</td>
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<td>Characteristics and educational provisions for the slow learning children.</td>
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<td>MWF 8:00-10:05</td>
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<tr>
<td>532</td>
<td>Curriculum Development and Instruction for the Slow Learners (3)</td>
<td>Gorelick</td>
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<td>(Student must enroll in both 532 and 531)</td>
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<td></td>
<td>Development of curricula and use of instructional materials for teaching slow learners in grades K-12. MWF 10:15-12:20</td>
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<tr>
<td>636</td>
<td>Secondary School Curriculum (3)</td>
<td>A. In</td>
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<td>Principles and techniques of curriculum improvement at secondary school level. Prerequisite: teaching experience. MWF 10:15-12:20 July 12-August 18</td>
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<tr>
<td>Industrial Education (IE)</td>
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<td>300</td>
<td>Industrial Crafts—Jewelry and Lapidary Processes (2)</td>
<td>F. Pickens</td>
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<td>(2 sections)</td>
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<td>Design, processes, and materials of jewelry making; lapidary processes and materials for polishing semi-precious gemstones; black coral polishing and mounting. Daily (1) 1:35-2:25 (2) 2:35-3:25</td>
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<td>348</td>
<td>Industrial Arts for Elementary Teachers (2)</td>
<td>Thrower</td>
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<td>(2 sections)</td>
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<td>Hand and simple machine tool instruction taught through selected elementary education projects and units. Daily (1) 10:10-11:00 (2) 11:35-12:25</td>
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<tr>
<td>401</td>
<td>Problems in Industrial Education (arr.)</td>
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<td>Program arranged for specialization in several technical areas. May be repeated for total of 5 credits. Daily hrs. arr.</td>
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402 IMPROVEMENT OF INSTRUCTION, INDUSTRIAL EDUCATION (arr.)
Consideration of problems in teaching industrial education. May be repeated for total of 5 credits.
Daily hrs. arr.

764 SEMINAR IN INDUSTRIAL EDUCATION (2)
Individual study of special problems.
Daily 9:10-10:00

Educational Administration (Ed EA)

670 SUPERVISION OF INSTRUCTION (3)
Principles of supervision and development of supervisory programs. Prerequisite: 680; Ed CI 622 or 636.
Daily 8:45-10:00

671 SCHOOL PUBLICITY AND PUBLIC RELATIONS (3)
Application of principles, techniques, policies, organization of a school-community information program. Prerequisite: 680 or consent of instructor.
Daily 7:20-8:35

672 PERSONNEL PRACTICES AND THE SCHOOL PRINCIPAL (2)
Orientation to personnel practices; principles in personnel management; procedures in assignment, orientation; evaluation of staff.
Daily 9:10-10:00

680 PUBLIC SCHOOL ORGANIZATION (3)
Function of the teacher in school administration; state organization of public education; Hawaii school law and state Department of Education regulations. Prerequisite: teaching experience; may include student teaching.
Daily 10:10-11:25

685 EDUCATIONAL ADMINISTRATION: THEORY AND PRINCIPLES (3)
Theory and principles of administration and development of administrative programs. Prerequisite: 680, teaching experience, or consent of instructor.
Daily 8:45-10:00

689 THE SCHOOL PLANT (3)
Problems and techniques in school plant planning, operation, and maintenance; working with other agencies and with classified personnel. Prerequisite: 685 or consent of instructor.
Daily 7:20-8:35

699 DIRECTED RESEARCH (arr.)
Individual reading or research. Prerequisite: consent of instructor and department chairman.
Daily Hrs. arr.

768 RESEARCH SEMINAR IN EDUCATIONAL ADMINISTRATION (3)
Basic concepts of research in Educational Administration. Study and discussion of significant topics and problems. Required of Plan B M.Ed. candidates. Prerequisite: consent of instructor.
Daily 11:35-12:50

780(1) SEMINAR IN EDUCATIONAL ADMINISTRATION: ELEMENTARY (3)
Analysis of selected problems in school administration. Prerequisite: 670, 680, 685, or consent of instructor. May be repeated.
Daily 11:35-12:50
780(6) SEMINAR IN EDUCATIONAL ADMINISTRATION: COMMUNITY COLLEGE (3)  Crossley
Analysis of selected problems in school administration. Prerequisite: 670, 680, 685, or consent of instructor. May be repeated.
Daily 10:10-11:25

782 LEGAL ASPECTS OF SCHOOL ADMINISTRATION (3)  R. Johnson
Functions, relationships, and responsibilities of school districts and school personnel with interpretations of legal status as shown by statutes and court decisions. Prerequisite: 680, 685, 780, or consent of instructor.
Daily 1:10-2:35

Educational Communications (Ed EC)

514 AUDIO-VISUAL MEDIA (3)  de Kieffer, Staff
(4 sections)
Communication theory, the characteristics of A-V media: 16 mm sound motion picture films, automated learning programs, television, projected and opaque materials (maps and models). Emphasis on utilization.
Daily (1) 7:45-8:35; lab hrs. arr. (de Kieffer)
(2) 9:10-10:00; lab hrs. arr. (de Kieffer)
(3) 11:35-12:25; lab hrs. arr.
(4) 1:35-2:25; lab hrs. arr.

620 INTRODUCTION TO INSTRUCTIONAL MATERIALS PRODUCTION (3)  Wileman
(2 sections)
Preparation of two- and three-dimensional materials, projectuals, slides, filmstrips, simple motion pictures, and audio recordings. Utilization of multimedia materials.
Daily (1) 10:10-11:00; lab hrs. arr.
(2) 11:35-12:25; lab hrs. arr.

630 TELEVISION IN EDUCATION (3)  Kucera, Reed
(2 sections)
Research background; development and utilization of television in education including fundamentals of television production and teaching on television with emphasis on the utilization of television in the school. Prerequisite: 514 or consent of instructor.
Daily (1) 9:10-10:00; lab hrs. arr.
(2) 10:10-11:00; lab hrs. arr.

635 ADVANCED EDUCATIONAL TELEVISION (3)  Kucera, Reed
Research and study of the educational development and utilization of instructional television with emphasis on ETV and the systems approach to multimedia instruction in specific learning situations. Prerequisite: 630 or consent of instructor.
Daily 1:35-2:25; lab hrs. arr.

640 PROGRAMMED LEARNING (3)  Staff
(Same as Ed EP 640)
Learning theory, experimental procedures and related systems, and readings in the study and development of programmed learning. Evaluation, selection and utilization of programs in the classroom.
Daily 1:10-2:25

710 SEMINAR IN ORGANIZATION AND ADMINISTRATION OF MEDIA PROGRAMS (3)  de Kieffer
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)

320 FOUNDATIONS OF AMERICAN EDUCATION (3) Jaeckel, Stueber
(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 (Jaeckel)
(2) 10:10–11:25 (Stueber)

409 CULTURALLY AND ECONOMICALLY DISADVANTAGED PUPIL (3) Staff
(Same as Ed EP 409)
(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. Prerequisite: consent of instructor.
Daily (1) 7:20–8:35
(2) 8:45–10:00

650 HISTORICAL FOUNDATIONS OF WESTERN EDUCATION (3) Stueber
History of European thought and practice as a basis for the study of modern education.
Daily 7:20–8:35

651 HISTORY OF AMERICAN EDUCATION (3) Tostberg, Jaeckel
(2 sections)
Introduction to the history of American educational thought from the 17th-century to the present.
Daily (1) 8:45–10:00 (Tostberg)
(2) 10:10–11:25 (Jaeckel)

660 PHILOSOPHY OF EDUCATION (3) Tostberg, O'Neill
(3 sections)
Philosophical considerations essential to theories of education. Prerequisite: student teaching.
Daily (1) 8:45–10:00 (O'Neill)
(2) 11:35–12:50 (Tostberg)
(3) 2:35–3:50 (O'Neill)

670 COMPARATIVE EDUCATION: EUROPE AND AMERICA (3) Walsh
Comparison of the ways in which contemporary Western societies undertake to meet their educational problems.
Daily 7:20–8:50
June 19–July 22

671 COMPARATIVE EDUCATION: ASIA (3) Anderson
Study of the educational institutions, practices, and problems in the countries of Asia, viewed against the backdrop of their traditional culture.
Daily 8:45–10:00

683 SOCIAL FOUNDATIONS OF EDUCATION (3) Lieberman
Impact on education of major social trends and forces operating in American society; social change and education. Prerequisite: consent of instructor.
Daily 8:45–10:00

765 COMPARATIVE IDEOLOGIES AND EDUCATION (3) Lieberman
Critical analyses of contemporary ideologies and social philosophies with particular reference to implication for educational policies and practices.
Daily 11:35–12:50
Educational Psychology (Ed EP)

315 ARTS AND CRAFTS FOR MENTALLY RETARDED (2)  
A. Pickens  
Construction and use of learning aids for mentally retarded children.  
Daily 7:20-9:35

372 PSYCHOLOGICAL FOUNDATIONS (3)  
T. McIntosh, Reid, Niyekawa  
(4 sections)  
Principles of learning and individual differences, and the relationships of these factors to classroom experience.  
Daily (1) 7:20-8:35 (McIntosh)  
(2) 8:45-10:00 (McIntosh)  
(3) 10:10-11:25 (Reid)  
(4) 11:35-12:50 (Niyekawa)

404 EDUCATION OF EXCEPTIONAL CHILDREN (3)  
D. Wiseman, Howard, D. McIntosh  
(3 sections)  
Survey of characteristics of children who deviate from the average in mental, sensory, physical, and social attributes; reviews adaptations made by schools to the abilities and disabilities of exceptional children.  
Daily (1) 8:45-10:00 (Wiseman)  
(2) 10:10-11:25 (Howard)  
(3) 11:35-12:50 (McIntosh)

405 THE MENTALLY RETARDED (3)  
D. Wiseman, Howard  
(2 sections)  
Review of the psychological, social, and vocational problems related to mentally retarded children and their families.  
Daily (1) 11:35-12:50 (Wiseman)  
(2) 1:10-2:25 (Howard)

408 THE EMOTIONALLY DISTURBED CHILD (3)  
Char, C. Cartwright  
(3 sections)  
Study of behavioral characteristics, methods of identification and management of emotionally disturbed children in regular and special classes within the public schools, private day schools, clinics, residential schools, and hospitals.  
Daily (1) 7:20-8:35 (Char)  
(2) 10:10-11:25 (Cartwright)  
(3) 11:35-12:50 (Cartwright)

409 CULTURALLY AND ECONOMICALLY DISADVANTAGED PUPIL (3)  
Staff  
(Same as Ed EF 409)  
(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. Prerequisite: consent of instructor.  
Daily (1) 7:20-8:35  
(2) 8:45-10:00

415 CLINICAL ASSESSMENT OF_exceptional CHILDREN (3)  
Gold  
Diagnostic instruments used in the clinical appraisal of exceptional children. Theoretical considerations will buttress field appraisal experience. Prerequisite: 404 and 416.  
Daily 10:10-11:25
416 TESTS AND MEASUREMENTS (3) Adams, Adkins, Staff
(3 sections)
Theory and techniques of evaluation in education. Prerequisite: Ed CI 341.
Daily (1) 7:20–8:35 (Adams)
(2) 10:10–11:25 (Adkins)
(3) 11:35–12:50 (Staff)

429 INTRODUCTORY STATISTICS (3) Adkins
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. Prerequisite: one year of high school algebra or one college course in mathematics; 372 and 416 desirable.
Daily 11:35–12:50; lab hrs. arr.

507 REMEDIAL READING (3) Staff
(6 sections)
Techniques for motivating and helping children whose reading skills are below their capacity and needs.
Daily (1) 7:20–8:35
(2) 7:20–8:35 (Staff)
(3) 8:45–10:00
(4) 10:10–11:25 (Staff)
(5) 1:10–2:25 (Staff)
(6) 2:35–3:50 (Staff)

521(7) TRAINING INSTITUTES IN SPECIAL EDUCATION: ORTHOPEDICALLY HANDICAPPED (var.) Outland
Advanced training institutes to improve instructional services for exceptional children. Includes clinical observations and teaching demonstrations with exceptional children in laboratory classes. Limited enrollment. Prerequisite: teaching experience with exceptional children or consent of instructor.
Daily 8:00–1:00

601 GUIDANCE IN THE SCHOOL (3) Seeman, Bennett, Shertzer, Englander
(4 sections)
Basic principles of guidance; consideration of techniques, organization, materials, resources.
Daily (1) 7:20–8:35 (Seeman)
(2) 10:10–11:25 (Bennett)
(3) 11:35–12:50 (Shertzer)
(4) 1:10–2:25 (Englander)

602 ELEMENTARY SCHOOL GUIDANCE (3) Frank
Principles, techniques, and organization of guidance services in the elementary school.
Daily 11:35–12:50

604 OCCUPATIONAL INFORMATION IN GUIDANCE (3) Englander
Occupational research and survey techniques; trends, sources of materials, use of occupational information in vocational guidance. Prerequisite: 601.
Daily 10:10–11:25

605 PROBLEMS OF SCHOOL ADJUSTMENT (3) Shertzer, Abou-Ghorra
(4 sections)
Principles of behavior which affect human relationships in the school, with emphasis upon application to actual situations.
Daily (1) 8:45–10:00 (Shertzer)
(2) 10:10–11:25 (Staff)
(3) 11:35–12:50 (Abou-Ghorra)
(4) 1:10–2:25 (Abou-Ghorra)
609 TESTS AND INVENTORIES IN GUIDANCE (3)  
Tests and inventories for measuring aptitudes, interests, and modes of behavior. Prerequisite: 416, 601.  
Daily 10:10–11:25

614 EDUCATION OF GIFTED CHILDREN (3)  
(2 sections)  
Characteristics and educational provisions for gifted children. Particular attention to psychological aspects of creativity. Prerequisite: 404.  
Daily (1) 11:35–12:50 (Gold)  
(2) 1:10–2:25 (McIntosh)

629 EDUCATIONAL STATISTICS (3)  
Statistical inference including the applications of parametric and non-parametric methods to educational problems. Prerequisite: descriptive statistics or 416.  
Daily 7:20–8:35

640 PROGRAMMED LEARNING (3)  
(Staff)  
(Same as Ed EC 640)  
Learning theory, experimental procedures and related systems and readings in the study and development of programmed learning. Evaluation, selection and utilization of programs in the classroom.  
Daily 1:10–2:25

672 ADVANCED EDUCATIONAL PSYCHOLOGY: LEARNING (3)  
Application of experimental evidence in learning upon major educational problems; analysis of research methods in classroom learning. Prerequisite: consent of instructor.  
Daily 11:35–12:50

673 ADVANCED EDUCATIONAL PSYCHOLOGY: PSYCHO-SOCIAL DEVELOPMENT (3)  
Research methods and findings involving classroom group structures, attitude and personality development, and psycholinguistic behavior. Prerequisite: consent of instructor.  
Daily 8:45–10:00

701 SEMINAR IN GUIDANCE: COUNSELING (3)  
Current issues and problems. Prerequisite: 8 credits in guidance courses.  
Daily 10:10–11:25

701 SEMINAR IN GUIDANCE: ELEMENTARY SCHOOL (3)  
Current issues and problems. Prerequisite: 8 credits in guidance courses.  
Daily 8:45–10:00

701 SEMINAR IN GUIDANCE: ADMINISTRATION (3)  
Current issues and problems. Prerequisite: 8 credits in guidance courses.  
Daily 1:10–2:25

702 GROUP GUIDANCE (3)  
(2 sections)  
Principles, practices, materials, and techniques used in group guidance in schools. Prerequisite: 601.  
Daily (1) 8:45–10:00  
(2) 10:10–11:25

708 EDUCATIONAL RESEARCH METHODS (3)  
Research techniques and thesis development. Prerequisite: 416, proficiency in statistics and consent of instructor.  
Daily 10:10–11:25
1. The University Summer Theatre will present several plays in Kennedy Theatre.

2. While waiting for a class to begin, students discuss academic and social matters. Kuykendall Hall, housing the English department, is in the background.

3. George and Crawford halls form one side of the Old Quadrangle. The Summer Session Office is located in Crawford Hall.

4. Summer courses require concentrated study, but there is also time for the many extracurricular activities planned for the summer session.
Wahiawa

404 EDUCATION OF EXCEPTIONAL CHILDREN (3) Gowan
Survey of characteristics of children who deviate from the average in mental, sensory, physical, and social attributes; reviews adaptations made by schools to the abilities and disabilities of exceptional children.
MWF 8:00–10:05

602 ELEMENTARY SCHOOL GUIDANCE (3) Collins
Principles, techniques, and organization of guidance services in the elementary school.
MWF 10:15–12:20

605 PROBLEMS OF SCHOOL ADJUSTMENT (3) Collins
Principles of behavior which affect human relationships in the school, with emphasis upon application to actual situations.
MWF 8:00–10:05

614 EDUCATION OF GIFTED CHILDREN (3) Gowan
Characteristics and educational provisions for gifted children. Particular attention to psychological aspects of creativity. Prerequisite: 404.
MWF 10:15–12:20

Health & Physical Education (HPE)
Medical Clearance Requirement: At the time of registration a student is required to show evidence of a medical clearance issued by the Student Health Service for the following courses: HPE 101 through 162, 232 through 236, 333 through 337, 433 and 434. A student without a medical clearance will not be allowed to register in the courses indicated.

101 PHYSICAL FITNESS (Men) (1) Gustason
Conditioning exercises and activities to develop and maintain physical efficiency. Motor fitness tests are administered to measure status and progress.
Daily 11:35–12:25

103 SWIMMING: BEGINNING (1) Seichi, Murchison
(4 sections)
Adjusting to water, 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 (Murchison)
(3) 10:10–11:00 (Seichi)
(4) 10:10–11:00 (Murchison)

104 SWIMMING: INTERMEDIATE (1) Murchison
Emphasis on perfecting and integrating basic strokes with added emphasis on swimming for distance and speed.
Daily 11:35–12:25

105 SWIMMING: ADVANCED (1) Seichi
Correct techniques used in competitive swimming, racing starts, correct turning techniques, and long distance swimming.
Daily 11:35–12:25

107 TENNIS: BEGINNING (1) Schwitters
(3 sections)
Rules, etiquette, grip, forehand and backhand strokes, serving, volleying, and singles and doubles play.
Daily
(1) 9:10–10:00
(2) 10:10–11:00
(3) 11:35–12:25
110 GOLF: BEGINNING (1)  
Vasconcellos  
(3 sections)  
Rules, etiquette, grip, stance, drive, normal iron shots, approach shots, and putting.  
Daily (1) 9:10-10:00  
(2) 10:10-11:00  
(3) 11:35-12:25

111 GOLF: ADVANCED (1)  
Seichi  
Emphasis on improving the drive, fairway wood shots, long iron shots, control shots, 
trouble shots, putting, course management, competitive strategy and problems in 
rules. Actual play on golf course requires additional green fees.  
Daily 1:35-2:25

123 FOLK AND NATIONAL DANCES (1)  
Beamer  
Selected dances of various national groups now in popular use with emphasis on 
analytical knowledge and practical experience. Square dances included. (Enrollment 
limited to teachers in service.)  
Daily 11:35-12:25

124 DANCES OF HAWAII (1)  
Sharpe, M. Vasconcellos, Beamer  
(11 sections)  
Background and fundamentals of the hula. Selected dances with and without 
instruments.  
Daily (1) 7:45-8:35 (Sharpe)  
(2) 7:45-8:35 (Vasconcellos)  
(3) 7:45-8:35 (Beamer)  
(4) 9:10-10:00 (Sharpe)  
(5) 9:10-10:00 (Vasconcellos)  
(6) 9:10-10:00 (Beamer)  
(7) 10:10-11:00 (Sharpe)  
(8) 10:10-11:00 (Vasconcellos)  
(9) 10:10-11:00 (Beamer)  
(10) 11:35-12:25 (Sharpe)  
(11) 11:35-12:25 (Vasconcellos)

154 TUMBLING AND REBOUND TUMBLING (1)  
Gustuson  
Single and combination stunts on the tumbling mats and the trampoline, balancing 
stunts and correct techniques of spotting and safety procedures.  
Daily 10:10-11:00

160 JUDO (1)  
Krieger  
Rules, etiquette, correct method of falling and breaking the fall, simple throws and 
their counters, simple holds and the breaking of such holds, and randori. Student 
must provide his own uniform "gi."  
Daily 11:35-12:25

161 AIKIDO (1)  
Staff  
(2 sections)  
Rules, etiquette, basic rolls, simple holds and the breaking of such holds, and specific 
physical conditioning exercises. Student must provide his own uniform "gi."  
Daily (1) 7:45-8:35  
(2) 9:10-10:00

162 KARATE (1)  
Krieger  
(3 sections)  
Rules, etiquette, basic stances, blocks, thrusts, kicks, ippon kumite, and selected 
kata. Student must provide his own uniform "gi."  
Daily (1) 7:45-8:35  
(2) 9:10-10:00  
(3) 10:10-11:00
195 MODERN HEALTH: PERSONAL AND COMMUNITY (2)  
Intended primarily for majors in health education, physical education and recreation. Mental-emotional health, family-living, and scientific health information as a basis for personal and community health.  
Daily 7:45-8:35

_Courses numbered 202 and above are not open to lower division students._

202 SCHOOL HEALTH PROBLEMS: SECONDARY (2)  
Responsibilities of the secondary school teacher in recognizing and meeting the needs of the secondary school pupil with emphasis on health instruction, health services, healthful school living, and school health policies.  
Daily 10:10-11:00

231 METHODS AND MATERIALS IN HEALTH EDUCATION (2)  
Organization and content, methods and materials for health teaching in elementary and secondary schools. Prerequisite: 201 or 202.  
Daily 11:35-12:25

233 PHYSICAL EDUCATION: ELEMENTARY (3)  
Content and methods for physical education in the elementary school with emphasis on selection, planning, teaching, and evaluation of movement exploration and physical activities.  
Daily 1:10-2:25

302 SCHOOL'S ROLE IN COMMUNITY HEALTH (2)  
Functional interrelationships between the school and other community health organizations in solving community health problems. Prerequisite: 201 or 202.  
Daily 9:10-10:00

401 CURRENT TRENDS IN HEALTH (3)  
Critical analysis of current problems and trends in basic health education areas which contribute to healthful living in the community, home, and school. Prerequisite: 201 or 202 and 302.  
Daily 10:10-11:25

503 SCIENTIFIC FOUNDATIONS OF PHYSICAL EDUCATION (3)  
Scientific laws and principles relevant to man’s physical and social environment as related specifically to physical fitness and human movement. Prerequisite: 203 and consent of instructor.  
Daily 7:20-8:35

534 ADAPTED PHYSICAL EDUCATION (3)  
Factors essential to the practice of adapted physical education; disabilities, problems and needs of physically handicapped pupils with emphasis on accepted procedures for meeting these. Prerequisite: 454 and 463.  
Daily 10:10-11:25

543 PUBLIC SCHOOL CURRICULUM FOR PHYSICAL EDUCATION (3)  
Detailed examination of the contents of an adequate curriculum for physical education in the public schools (kindergarten through grade 12). Prerequisite: 203, Ed CI 238, Ed CI 636, or consent of instructor.  
Daily 7:20-8:35

563 MECHANICAL ANALYSIS OF SPORTS ACTIVITIES (3)  
Analysis of a variety of sports activities in terms of applications of the fundamental principles of mechanics with consideration to teaching and research. Prerequisite: basic background in mathematics and physics, and consent of instructor.  
Daily 8:45-10:00
Engineering

Civil (CE)

170 APPLIED MECHANICS I (3)  H. Mikasa
Equilibrium of particles, rigid bodies, frames and machines; vectors, centroids, friction, and moments of inertia. Prerequisite: Phys 170.
Daily 8:45-10:00

222 FLUID MECHANICS II (3)  R. Grace
Principles of ideal and real fluid flow applied to incompressible fluids with introduction to compressible fluid motion. Prerequisite: 220.
Daily 7:20-8:35

General (GE)

101 ENGINEERING GRAPHICS (2)  H. Smith
Applied geometry, orthographic and pictorial instrument drawing and sketching, dimensioning, auxiliary and section views. Fundamentals in analysis and solution of spatial problems pertaining to points, lines, and planes. Primarily for those students who are deficient in high school mechanical drawing.
Daily 1:30-4:00

105 ENGINEERING GRAPHICS (3)  C. Landstreet
Analysis and solution of spatial problems pertaining to points, lines, and planes, and their application to engineering. Surface intersections, vector geometry, and graphical calculus. Prerequisite: one year high school mechanical drawing. Not open to students who have credit in both 101-102. 105 may be taken in place of 102 to satisfy the graphics requirement.
Daily 8:30-12:00

Mechanical (ME)

231 THERMODYNAMICS (3)
Basic laws; work, heat and the concept of entropy; perfect gases, mixtures; availability, irreversibility, and efficiency. Prerequisite: Phys 172; Math 143.
Daily 10:10-11:25

243 MECHANICS OF SOLIDS (3)
Analysis of deformable bodies; stresses, strains, and criteria for yielding and fracture; torsion, bending, and buckling. Prerequisite: CE 170; Math 143.
Daily 11:35-12:50
**English (Eng)**

101 EXPOSITORY WRITING (First Semester) (3)  
(22 sections)
Training in analysis of expository essays; introduction and practice of principal exposition procedures, including assertion, exemplification, definition, classification. For all students qualifying in university entrance examinations. (English 101 in the Summer Session is not recommended for students who have taken English 101 previously and received a grade of F.)

Daily

(1) 7:20–8:35
(2) 7:20–8:35
(3) 7:20–8:35
(4) 7:20–8:35
(5) 7:20–8:35
(6) 8:45–10:00
(7) 8:45–10:00
(8) 8:45–10:00
(9) 8:45–10:00
(10) 8:45–10:00
(11) 8:45–10:00

102 EXPOSITORY WRITING (Second Semester) (3)  
(15 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. Prerequisite: 101 (English 102 in the Summer Session is not recommended for students who passed English 101 with a grade of D, or who have taken English 102 previously and received a grade of F.)

Daily

(1) 7:20–8:35
(2) 7:20–8:35
(3) 7:20–8:35
(4) 7:20–8:35
(5) 8:45–10:00
(6) 8:45–10:00
(7) 8:45–10:00
(8) 8:45–10:00

150 MAJOR WORKS OF BRITISH AND AMERICAN LITERATURE (3)  
K. Pressman, J. Lowers, J. W. Frierson, L. Wellein
(4 sections)
From the Middle Ages to 1800; an introductory course for sophomores.

Daily

(1) 7:20–8:35 (Pressman)
(2) 8:45–10:00 (Lowers)
(3) 10:10–11:25 (Frierson)
(4) 11:35–12:50 (Wellein)

151 MAJOR WORKS OF BRITISH AND AMERICAN LITERATURE (3)  
E. Heine, F. Teevan, M. Sinclair
(3 sections)
From 1800 to the present; an introductory course for sophomores.

Daily

(1) 7:20–8:35 (Teevan)
(2) 8:45–10:00 (Sinclair)
(3) 10:10–11:25 (Heine)
152 WORLD LITERATURE: TO THE RENAISSANCE (3) V. Ness, B. Kirtley, F. Teevan, L. Winters
(4 sections)
Major works of classical, Oriental, European, and English literature.
Daily (1) 7:20–8:35 (Ness)
(2) 8:45–10:00 (Kirtley)
(3) 10:10–11:25 (Teevan)
(4) 11:35–12:50 (Winters)

153 WORLD LITERATURE: 1600 TO THE PRESENT (3) Hurwitz, Thompson, Summersgill
(3 sections)
Major works of classical, Oriental, European, American, and English literature.
Daily (1) 7:20–8:35 (Thompson)
(2) 8:45–10:00 (Hurwitz)
(3) 11:35–12:50 (Summersgill)

154 TYPES OF LITERATURE (3) R. Okada, R. Sutliff
(3 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 (Okada)
(2) 10:10–11:25 (Sutliff)
(3) 11:35–12:50 (Okada)

155 TYPES OF LITERATURE (3) W. Huntsberry, G. Simson
(3 sections)
Practical criticism in the major genres of European and American literature; drama, biography, poetry.
Daily (1) 8:45–10:00 (Huntsberry)
(2) 10:10–11:25 (Simson)
(3) 11:35–12:50 (Huntsberry)

209 WRITTEN COMMUNICATION (3) M. Harman, A. Warren, V. Kennedy
(4 sections)
Practice in informative, analytical, and persuasive writing. Open only to students in Business Administration and Home Economics. Prerequisite: 102 and sophomore literature, or equivalents.
Daily (1) 7:20–8:35 (Harman)
(2) 8:45–10:00 (Warren)
(3) 10:10–11:25 (Kennedy)
(4) 11:35–12:50 (Warren)

210 TECHNICAL EXPOSITION (3) V. Kennedy, R. Mann, J. Fellmeth
(4 sections)
Analysis of selected scientific prose; principles and practice of presenting technical information. Open to juniors and seniors in scientific fields.
Daily (1) 7:20–8:35 (Kennedy)
(2) 8:45–10:00 (Mann)
(3) 10:10–11:25 (Fellmeth)
(4) 11:35–12:50 (Mann)

220 STRUCTURE OF AMERICAN ENGLISH (3) G. Glissmeyer, E. Flynn
(2 sections)
Introduction to the phonology, morphology, and syntax of present-day American English.
Daily (1) 7:20–8:35 (Glissmeyer)
(2) 8:45–10:00 (Flynn)
231 INTRODUCTION TO POETRY (3)  
G. Simson, P. Thompson, P. Swiggart, M. Sinclair  
(4 sections)  
Written and oral analysis of imagery, sound, language and form and structure of poems, leading to increased awareness of the nature of poetry.  
Daily (1) 7:20–8:35 (Simson)  
(2) 8:45–10:00 (Thompson)  
(3) 10:10–11:25 (Swiggart)  
(4) 11:35–12:50 (Sinclair)  

336 INTRODUCTION TO LITERARY PROBLEMS (3)  
I. Winters, R. Gorrell  
(2 sections)  
Critical evaluation of the genres of literature, of various modes of analysis, and of problems involved in literary perception.  
Daily (1) 10:10–11:25 (Winters)  
(2) 11:35–12:50 (Gorrell)  

425 MODERN ENGLISH GRAMMAR (3)  
R. Crymes  
Survey of prestructural, structural, and generative transformational descriptions of modern English grammar.  
Daily 8:45–10:00  

426 HISTORY OF THE ENGLISH LANGUAGE (3)  
L. Wellein  
Introduction to the older stages of English and the processes by which Modern English has evolved from them. Course will consider such topics as: ancestry of English; history of English sounds, inflections, and syntax; development of dialects; sources of vocabulary and changes in meaning and usage the vocabulary has undergone.  
Daily 10:10–11:25  

443 MODERN DRAMATIC LITERATURE (3)  
H. Topham  
European, Ibsen and Chekhov to Shaw, 1880–1920.  
Daily 10:10–11:25  

447 THE ENGLISH NOVEL TO 1832 (3)  
Staff  
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 8:45–10:00  

455 16TH-CENTURY ENGLISH LITERATURE (3)  
J. Lowers  
Poetry and prose of the Tudor period, exclusive of the drama.  
Daily 10:10–11:25  

457 SHAKESPEARE (3)  
T. Fujimura  
Shakespeare's plays from the beginning to Hamlet.  
Daily 8:45–10:00  

458 SHAKESPEARE (3)  
R. Gorrell  
Shakespeare's plays from Hamlet through the last plays.  
Daily 8:45–10:00  

452 CHAUCER (3)  
T. Summersgill  
Study of Chaucer's development from the early poems through The Canterbury Tales.  
Daily 10:10–11:25  

470 EARLY 18TH-CENTURY ENGLISH LITERATURE (3)  
J. Maltby  
Poetry, prose (exclusive of the novel), and drama from 1700 to 1740, with emphasis on the works of Pope and Swift.  
Daily 11:35–12:50
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>480</td>
<td>THE ROMANTIC MOVEMENT IN ENGLAND (3)</td>
<td>D. Fong</td>
<td>Daily</td>
<td>10:10-11:25</td>
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<tr>
<td>490</td>
<td>20TH-CENTURY BRITISH NOVEL (3)</td>
<td>M. Solomon</td>
<td>Daily</td>
<td>7:20-8:35</td>
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<tr>
<td>571</td>
<td>AMERICAN LITERATURE (3)</td>
<td>J. Gurian</td>
<td>Daily</td>
<td>8:45-10:00</td>
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<tr>
<td>572</td>
<td>AMERICAN LITERATURE (3)</td>
<td>H. Hurwitz</td>
<td>Daily</td>
<td>11:35-1:30</td>
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<tr>
<td>573</td>
<td>AMERICAN LITERATURE AND CULTURAL HISTORY:</td>
<td>R. Walker</td>
<td>Daily</td>
<td>8:45-10:00</td>
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<tr>
<td>585</td>
<td>LITERATURE OF THE PACIFIC (3)</td>
<td>B. Kirtley</td>
<td>Daily</td>
<td>11:35-12:50</td>
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<tr>
<td>590</td>
<td>20TH-CENTURY AMERICAN NOVEL (3)</td>
<td>A. Levy</td>
<td>Daily</td>
<td>10:10-11:25</td>
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<tr>
<td>636</td>
<td>HISTORY OF LITERARY CRITICISM (3)</td>
<td>P. Swiggart</td>
<td>Daily</td>
<td>8:45-10:00</td>
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<td>675</td>
<td>LITERARY GENRES AND PROBLEMS: AMERICAN LITERARY NATURALISM (3)</td>
<td>R. Walker</td>
<td>MWF</td>
<td>10:10-12:15</td>
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<tr>
<td>685</td>
<td>SEMINAR IN ENGLISH LITERATURE (3)</td>
<td>Staff</td>
<td>MWF</td>
<td>11:35-1:40</td>
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**English Language Institute (ELI)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
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<tbody>
<tr>
<td>51</td>
<td>ORAL ENGLISH FOR FOREIGN STUDENTS (0)</td>
<td>Staff</td>
<td>(10 sections)</td>
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<tr>
<td></td>
<td>Intensive practice to develop facility in speaking and understanding conversational English; meets 12 weeks; equals 4 credits. (Register for one class section plus one laboratory section.)</td>
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<td>Daily (1) 7:30-8:20</td>
<td>(8) 12:30-1:20</td>
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<td>(2) 7:30-8:20</td>
<td>(9) 1:30-2:20</td>
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<td>(3) 8:30-9:20</td>
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<td>(7) 11:30-12:20</td>
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<td>Laboratory: Daily (A) 10:10-10:45</td>
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<td>(B) 11:35-12:10</td>
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<td>(C) 1:10-1:45</td>
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</table>
52 INTERMEDIATE ORAL ENGLISH FOR FOREIGN STUDENTS (0)  
(10 sections)  
Further practice in spoken fluency and accurate aural comprehension; meets 9 weeks; equals 3 credits. (Register for one class section plus one laboratory section.)  
Daily (1) 7:30-8:20  
(2) 7:30-8:20  
(3) 8:30-9:20  
(4) 9:30-10:20  
(5) 10:30-11:20  
(6) 11:30-12:20  
(7) 12:30-1:20  
(8) 1:30-2:20  
(9) 2:30-3:20  
(10) 2:30-3:20  
Laboratory: Daily (A) 10:50-11:25  
(B) 12:15-12:50  
(C) 1:50-2:25

53 ADVANCED ORAL ENGLISH FOR FOREIGN STUDENTS (0)  
(8 sections)  
Advanced instruction, with emphasis on comprehension of unmodified streams of speech and extended oral discourse; meets 6 weeks; equals 1 credit.  
Daily (1) 7:30-8:20  
(2) 8:30-9:20  
(3) 9:30-10:20  
(4) 10:30-11:20  
(5) 11:30-12:20  
(6) 12:30-1:20  
(7) 1:30-2:20  
(8) 2:30-3:20

61 ENGLISH STRUCTURE FOR FOREIGN STUDENTS (0)  
(5 sections)  
Intensive drill on the automatic recognition and production of English grammatical signals; meets 12 weeks; equals 2 credits.  
Daily (1) 9:30-10:20  
(2) 10:30-11:20  
(3) 11:30-12:20  
(4) 12:30-1:20  
(5) 1:30-2:20

62 INTERMEDIATE ENGLISH STRUCTURE FOR FOREIGN STUDENTS (0)  
(9 sections)  
Further drill on English grammatical patterns; meets 9 weeks; equals 1 credit.  
Daily (1) 7:30-8:20  
(2) 8:30-9:20  
(3) 9:30-10:20  
(4) 9:30-10:20  
(5) 10:30-11:20  
(6) 11:30-12:20  
(7) 12:30-1:20  
(8) 1:30-2:20  
(9) 2:30-3:20

71 READING PROGRAM FOR FOREIGN STUDENTS (0)  
(4 sections)  
Instruction and practice in the development of improved reading comprehension and speed, and of effective use of textbooks and reference materials; meets 12 weeks; equals 3 credits.  
Daily (1) 7:30-8:20  
(2) 8:30-9:20  
(3) 11:30-12:20  
(4) 2:30-3:20

72 INTERMEDIATE READING PROGRAM FOR FOREIGN STUDENTS (0)  
(4 sections)  
Further work on reading comprehension and speed, plus techniques of skimming and rapid review; meets 9 weeks; equals 2 credits.  
Daily (1) 8:30-9:20  
(2) 11:30-12:20  
(3) 12:30-1:20  
(4) 1:30-2:20
81 WRITING PROGRAM FOR FOREIGN STUDENTS (0)  
(7 sections)  
Instruction and practice in factual reporting; meets 12 weeks; equals 3 credits.  
Daily (1) 7:30–8:20  (5) 12:30–1:20  
(2) 8:30–9:20  (6) 1:30–2:20  
(3) 9:30–10:20  (7) 2:30–3:20  
(4) 10:30–11:20  

82 INTERMEDIATE WRITING PROGRAM FOR FOREIGN STUDENTS (0)  
(7 sections)  
Instruction and practice in essay-type writing; the gathering, classification, and documentation of facts. Meets 9 weeks; equals 2 credits.  
Daily (1) 7:30–8:20  (5) 12:30–1:20  
(2) 10:30–11:20  (6) 1:30–2:20  
(3) 10:30–11:20  (7) 2:30–3:20  
(4) 11:30–12:20  

163 ADVANCED ENGLISH STRUCTURE FOR FOREIGN STUDENTS (1)  
(5 sections)  
Emphasis on control of complex spoken and written syntactical constructions; meets 6 weeks.  
Daily (1) 8:30–9:20  (4) 11:30–12:20  
(2) 9:30–10:20  (5) 12:30–1:20  
(3) 10:30–11:20  

183 ADVANCED WRITING PROGRAM FOR FOREIGN STUDENTS (2)  
(5 sections)  
Writing of critical reviews and term papers; logical analysis and evaluation of facts. Meets 6 weeks.  
Daily (1) 7:30–8:20  (4) 1:30–2:20  
(2) 8:30–9:20  (5) 2:30–3:20  
(3) 9:30–10:20  

French (Fr)  

101 ELEMENTARY FRENCH (4)  
(4 sections)  
Intensive course in conversation, grammar, reading, writing. Two classes and two lab sessions required daily.  
Daily Laboratory No. 1 (Webster 303)  
(1) 7:30–8:30; 8:50–9:50 (G. Chang) 7:00–7:20; 10:00–10:20  
(2) 8:00–9:00; 9:20–10:20 (J. Chang) 7:30–7:50; 10:30–10:50  
(3) 9:00–10:00; 10:20–11:20 (Miller) 8:30–8:50; 11:30–11:50  
(4) 10:00–11:00; 11:20–12:20 (Noel) 9:30–9:50; 12:30–12:50  

151 INTERMEDIATE FRENCH (3)  
(3 sections)  
Intensive course in conversation, grammar review, reading, composition. Prerequisite: 102 or the equivalent. One class and two lab sessions required daily.  
Laboratory No. 1 (Webster 303)  
Daily (1) 10:00–11:25 (Cassidy) 9:30–9:50; 11:30–11:50  
(2) 10:00–11:25 (Fochtman) 9:30–9:50; 11:30–11:50  
(3) 10:00–11:25 (Crapoulet) 9:30–9:50; 11:30–11:50
205 PHONETICS AND PRONUNCIATION PRACTICE (2)  
Analysis of French phonological system. Practice and laboratory drill designed to improve the student's pronunciation. Prerequisite: 101 or two years of high school French. Language lab practice required daily.  
Daily 10:30-11:20  
Laboratory No. 2 (Webster 302)

211 ADVANCED CONVERSATION AND COMPOSITION (3)  
Reading and discussions to develop insight into French literature and culture with major emphasis on strengthening facility with the language. Prerequisite: 152.  
Daily 8:30-10:20

411 MASTERPIECES OF 17TH-CENTURY LITERATURE (3)  
Prerequisite: one semester of 403-404 (Survey) or equivalent.  
Daily 10:30-12:20

General Science (Sci)

426 HISTORY OF BIOLOGY (3)  
(1) Ewan  
Growth of biological concepts from primitive man to the 20th century considered against world geography, social history, geopolitics and the rise of scientific societies, institutions, expeditions and field stations.  
Daily 10:10-11:25

466 BOTANY OF COOK'S VOYAGES (2)  
(1) Ewan  
Botanical knowledge gained from the expeditions of James Cook to the South Pacific with special reference to the first voyage and its significance in the history of plant classification.  
Daily 7:45-8:35

Geography (Geog)

101 ELEMENTS OF PHYSICAL GEOGRAPHY (3)  
C. Van Doran  
Survey of man's natural environment; distribution and interrelationships of climates, vegetation, soils, and landforms. Laboratory problems in map interpretation.  
Daily 8:45-10:00  
Laboratory (1) MW 1:10-4:00  
(2) TTh 1:10-4:00

102 WORLD REGIONAL GEOGRAPHY (3)  
C. Manchester  
Geography of the world's major cultural regions; emphasis on geographic aspects of contemporary economic, social, and political conditions.  
Daily 8:45-10:00

151 ECONOMIC GEOGRAPHY (3)  
G. Krumme  
Man's use of the earth; world patterns of natural resources, population, economic activity, and development; elements of location theory, problems of resource management.  
Daily 7:20-8:35

420 INTRODUCTION TO CLIMATOLOGY (3)  
J. H. Chang  
Elements and controls of climate; world patterns of insolation, temperature, evaporation, precipitation, and atmospheric circulation; climatic classifications. Prerequisite: 101.  
Daily 7:20-8:35
450  URBAN GEOGRAPHY (3)  G. Krumme
Distribution, functions, form, and internal structure of the modern city; relations with
tributary areas; problems of growth, land use, and transportation.
Daily 10:10–11:25

470  POPULATION GEOGRAPHY (3)  P. Pirie
Areal variation in the distributions, densities, structures, and internal dynamics of
human populations; emphasis on regional problems in lands adjoining the Pacific.
Daily 8:45–10:00

507  CONSERVATION AND UTILIZATION OF NATURAL RESOURCES (3)  C. Van Doran
Conservation and utilization of soil, water, mineral, and biotic resources; role of man
in changing the face of the earth; contemporary problems in United States (especially
Hawaii) and underdeveloped areas.
Daily 11:35–12:50

552  GEOGRAPHY OF JAPAN (3)  C. Manchester
A 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 11:35–12:50

571  GEOGRAPHY OF THE PACIFIC ISLANDS (3)  P. Pirie
Polynesia (except Hawaii), Micronesia, and Melanesia; geographic aspects of con­
temporary, social, political, and economic problems.
Daily 11:35–12:50

Geosciences (Geosc)

102  INTRODUCTION TO GEOSCIENCES (4)  V. Kelley
Survey of geology, emphasizing physical principles.
Daily 8:45–10:00  Laboratory TTh 1:00–4:00

200  GEOLOGY OF THE HAWAIIAN ISLANDS (4)  A. Abbott
Survey of Hawaiian volcanism, rock types, land forms, coastal areas, ground water
supply. Oahu field trips on Friday required; neighbor island trips optional and by
special arrangement only.
Lecture: MTWTh 8:45–10:00
Field Trip: F 8:00–2:00

German (Ger)

101  ELEMENTARY GERMAN (4)  J. Reichard, K. Brown, A. Moore
(3 sections)
Intensive course in conversation, grammar, reading, writing. Two classes and two
lab sessions required daily.
Laboratory No. 1 (Webster 303)
Daily (1) 8:00–9:00; 9:20–10:20 (Reichard) 7:30–7:50; 10:30–10:50
(2) 9:00–10:00; 10:20–11:20 (Brown) 8:30–8:50; 11:30–11:50
(3) 9:30–10:30; 10:50–11:50 (Moore) 9:00–9:20; 12:00–12:20

151  INTERMEDIATE GERMAN (3)  R. Bool
Intensive course in conversation, grammar review, reading, composition. Prerequisite:
102 or the equivalent. Language lab practice required daily.
Daily 10:00–11:50  Laboratory No. 2 (Webster 302)
Hawaiian (Haw)

101  ELEMENTARY HAWAIIAN (3)  F. Meinecke
    Elements of the language; emphasis on conversation with some attention to Hawaiian
    songs; language lab practice required daily.
    Daily 11:35-12:50  Laboratory No. 2 (Webster 302)

Hindi (Hindi)

101  ELEMENTARY HINDI (3)  J. Baumer
    Conversation. Language lab practice required daily.
    Daily 11:35-12:50  Laboratory No. 2 (Webster 302)

151  INTERMEDIATE HINDI (3)  J. Baumer
    Continuation of 102. Reading and conversation. Language lab practice required daily.
    Daily 2:35-3:50  Laboratory No. 2 (Webster 302)

History (Hist)

151  WORLD CIVILIZATION (3)  Daws
    (2 sections)
    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) 8:45-10:00
    (2) 10:10-11:25

181  INTRODUCTION TO AMERICAN HISTORY (3)  Hunter
    Interpretive survey of United States history from the earliest settlements to 1877.
    Daily 11:35-12:50

342  HISTORY OF THE FAR EAST (3)  R. Sakai
    Survey of the political, social, and economic history of the Far East as a unit in
    modern times.
    Daily 7:20-8:35

405  MEDIEVAL EUROPE, 300–1000 (2)  Ernest
    Cultural, social, economic, and political changes in the development of the European
    community; early Middle Ages.
    Daily 7:10-11:00

406  MEDIEVAL EUROPE, 1000–1300 (2)  Ernest
    Cultural, social, economic, and political changes in the development of the European
    community; high Middle Ages.
    Daily 11:35-12:25

452  HISTORY OF RUSSIA (2)  Riha
    Survey of the development of Russian thought and institutions, and of territorial
    expansion in modern times; impact of revolutionary changes.
    Daily 7:45-8:35
461 HISTORY OF THE UNITED STATES TO 1790 (3)  
Expansion of Europe into the Western Hemisphere; establishment of American independence and the constitution.  
Daily 10:10–11:25  

465 CIVIL WAR AND RECONSTRUCTION (2)  
The Civil War and Reconstruction in North and South.  
Daily 9:10–10:00  

472 DIPLOMATIC HISTORY OF THE UNITED STATES (2)  
History of American foreign policy, with emphasis upon recent developments.  
Daily 10:10–11:00  

481 AMERICAN THOUGHT AND CULTURE (3)  
Advanced course in American social customs, institutions, and intellectual pursuits.  
Daily 1:10–2:25  

531 HISTORY OF CHINA (2)  
Course of Chinese civilization from the earliest times.  
Daily 7:45–8:35  

541 HISTORY OF JAPAN (2)  
Historical survey of Japanese culture, government, economics, institutions.  
Daily 1:35–2:25  

552 HISTORY OF SOUTH ASIA, 1000 A.D.–PRESENT (2)  
General historical survey of India, Pakistan, Ceylon from 1000 A.D. to the present.  
Daily 11:35–12:25  

577 HISTORY OF THE HAWAIIAN ISLANDS (2)  
Hawaii in the Pacific: its people, customs, relations with the great powers. Emphasis on the period of the monarchy, the revolution and annexation, but with some attention to territorial problems and statehood.  
Daily 9:10–10:00  

636 SEMINAR IN NINETEENTH-CENTURY AMERICAN HISTORY (3)  
The South in the 19th century. Prerequisite: 462 or the equivalent.  
Hrs. arr.  

641 SEMINAR IN AMERICAN DIPLOMATIC HISTORY (3)  
Selected problems in the development of the United States foreign policy and its implementation.  
Hrs. arr.  

663 SEMINAR IN INDIAN HISTORY (3)  
Selected problems in reading in history of India, and the influence of Indian culture in southern Asia. Individual reports.  
Hrs. arr.  

665 SEMINAR IN JAPANESE HISTORY (3)  
Main fields of Japanese historical research; principal sources of bibliographical information; selected problems in modern Japanese history.  
Hrs. arr.  

672 SEMINAR IN RUSSIAN HISTORY (3)  
Research on the Russian Revolution.  
Hrs. arr.  

711 SEMINAR IN HISTORICAL METHOD (3)  
Training in the evaluation of sources and the preparation of theses.  
Hrs. arr.
Home Economics (HE)

117 COSTUMES OF THE WESTERN WORLD (3) Furer
   Chronological study of costume as related to culture and customs from ancient through modern times.
   Daily 8:45-10:00

210 INSTITUTE ON FOODS OF THE PACIFIC (3) Ching, 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. Prerequisite: Home Economics course in foods, or previous experience in food preparation. Open to men and women upper division or graduate students.
   Laboratory fee $20.00
   Laboratory: (1) TTh 10:10-12:30
   Lecture: M 10:10-12:30 (2) WF 10:10-12:30

505 CULTURAL AND AESTHETIC ASPECTS OF FOOD (3) Jennings
   Aesthetics of food as related to family meals; cultural implications; economic considerations; application of scientific principles in distinctive cuisine.
   Daily 2:30-5:15
   June 19-July 7

560 MANAGEMENT OF PERSONAL AND FAMILY FINANCES (3) Troelstrup
   Application of management principles to major financial alternatives. Role of decision making in financial management. Relationship of financial decisions to the life cycle of the individual and family.
   Daily 1:10-2:25

555 DEVELOPMENT OF THE PRESCHOOL CHILD (3) Dowley
   Study of the research in child development with special reference to the preschool period; emphasis is placed upon recent scientific knowledge relating to learning and cognition. Prerequisite: a course in developmental psychology.
   Daily 8:30-11:15
   July 10-July 28

399 DIRECTED READING AND RESEARCH (arr.)

699 DIRECTED READING AND RESEARCH (arr.)

Indonesian (Ind)

111 INTENSIVE ELEMENTARY INDONESIAN (6) D. de Queljoe
   Intensive course equivalent to Elementary Indonesian in the 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 9:30-12:30; 2:00-4:00
   Laboratory No. 2 (Webster 302)

112 INTENSIVE INTERMEDIATE INDONESIAN (6) R. S. Roosman
   Intensive course equivalent to Intermediate Indonesian in the 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 8:30-11:30; 1:00-3:00
   Laboratory No. 2 (Webster 302)
105 ELEMENTARY JAPANESE—REVIEW (3) Staff
(2 sections)
Students with Japanese background or some degree of Japanese proficiency may enter
the course after passing placement test. Course content similar to 101-102. Two lab
sessions required daily.

 Daily (1) 8:00–9:50
 (2) 8:00–9:50
 Laborator y No. 1 (Webster 303)
 7:30–7:50; 10:30–10:50

111 INTENSIVE ELEMENTARY JAPANESE (6) Staff
(5 sections)
Intensive course equivalent to Elementary Japanese in the 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.

 Laborator y No. 1 (Webster 303)
 Daily (1) 8:30–11:30; 1:00–3:00
 (2) 8:30–11:30; 1:00–3:00
 (3) 8:30–11:30; 1:00–3:00
 (4) 8:30–11:30; 1:00–3:00
 (5) 8:30–11:30; 1:00–3:00

161 INTERMEDIATE JAPANESE (4) Staff
(2 sections)
Continuation of 101–102. Language lab practice required daily.

 Daily (1) 9:30–11:50 Laborator y No. 2 (Webster 302)
 (2) 9:30–11:50

211 THIRD-LEVEL JAPANESE (3) Staff
(2 sections)
Study of modern spoken and written Japanese involving advanced structures, expres­
sions, patterns and kyooiku kanji. Prerequisite: 162 or equivalent.

 Daily (1) 10:10–11:25
 (2) 10:10–11:25

227 ACCELERATED THIRD-LEVEL JAPANESE (6) Staff
Study of modern spoken and written Japanese involving advanced structures, expres­
sions, patterns and kyooiku kanji. Prerequisite: 162 or equivalent.

 Daily 10:10–11:25; 1:10–2:25

251 JAPANESE FOR READING KNOWLEDGE (3) Staff
Reading courses for those who are not Japanese majors but who are interested in
developing skill in the reading of textual materials pertinent to their areas of research. Prerequisite: 162 or equivalent.

 Daily 2:35–3:50

401 JAPANESE LITERATURE IN ENGLISH (2) Y. Uyehara
Historical survey of Japanese literature (verse and prose); comparative study of the
literature of Japan and the West to be made when necessary. Prerequisite: two
semesters of literature in English department.

 Daily 1:35–2:25

408 STRUCTURE OF JAPANESE (3) Staff
Phonology, morphology, syntax of modern colloquial Japanese. Prerequisite: 162 or
equivalent.

 Daily 1:10–2:25
417 FOURTH-LEVEL JAPANESE (3)  
Study of modern spoken and written Japanese involving complicated structures, expressions, patterns and *tooyoo kanji*. Prerequisite: 212.  
Daily 2:30-3:50

611 CONTEMPORARY JAPANESE LITERATURE (3)  
Literary movements and representative works since 1888. Prerequisite: 212, 232 or equivalent.  
Daily 2:35-3:50

**Korean (Kor)**

111 INTENSIVE ELEMENTARY KOREAN (6)  
Intensive course equivalent to Elementary Korean in the 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 9:30-12:30; 2:00-4:00  
Laboratory No. 2 (Webster 302)

112 INTENSIVE INTERMEDIATE KOREAN (6)  
Intensive course equivalent to Intermediate Korean in the 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 8:30-11:30; 1:00-3:00  
Laboratory No. 2 (Webster 302)

**Law (Law)**

215 CONSTITUTIONAL LAW AND CIVIL LIBERTIES (2)  
Study of the principal court decisions on freedom of speech, press, assembly, conscience, and other basic civil liberties.  
Daily 1:35-2:25

**Library Studies (LS)**

601 BIBLIOGRAPHY AND REFERENCE SOURCES (3)  
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 19–July 7

602 ADVANCED REFERENCE SOURCES (3)  
Prerequisite: 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 9:15-10:30  
2:30–3:45  
July 10–28
605 BASIC CATALOGING AND CLASSIFICATION (3)  
A. Kamida
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 7:45-9:00
1:00-2:15
June 19–July 7

610 SOCIAL FUNCTIONS OF LIBRARIES (3)  
N. Dumont
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 10-28

615 BUILDING LIBRARY COLLECTIONS (3)  
M. Taylor
Prerequisite: 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 19–July 7

647 MANAGEMENT OF LIBRARY OPERATIONS (3)  
M. Andrews
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 9:15-10:30
2:30-3:45
June 19–July 7

650 ADMINISTRATION OF LIBRARIES (3)  
W. Tsuneishi
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.
Daily 9:15-10:30
2:30-3:45
July 10-28

678 READER SERVICES (3)  
I. Harris
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 7:45-9:00
1:00-2:15
July 10-28
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 10–28

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.

Daily 9:15–10:30
2:30–3:45

June 19–July 7

683 SERVICE FOR CHILDREN AND YOUNG PEOPLE (3)  R. DeAngelo

Prerequisite: 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 31–August 18

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 10–28

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 19–July 7

706 TECHNICAL SERVICES FOR FAR EASTERN COLLECTIONS (3)  W. Tsunoishi


Daily 9:15–10:30
2:30–3:45

July 31–August 18

Linguistics (Ling)

202 GENERAL LINGUISTICS (3)  Roberts

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

Daily 8:45–10:00
100 SURVEY OF MATHEMATICS (3)
(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
(2) 8:45–10:00
(3) 10:10–11:25
(4) 11:35–12:50

111 INTRODUCTION TO MATHEMATICS (3)
(2 sections)
Study of the structure and concepts of arithmetic. (Primarily for Education majors.)
Daily (1) 7:20–8:35
(2) 8:45–10:00

134 PRE-CALCULUS MATHEMATICS (4)
(12 sections)
Basic operations; algebraic functions and equations; trigonometric functions; lines, conics. Prerequisite: two years of high school algebra and one year of plane geometry or consent of department.
MTThF (1) 8:45–9:15 Lab (1) M 7:20–10:10
(2) 8:45–9:15 (2) M 7:20–10:10
(3) 8:45–9:15 (3) T 7:20–10:10
(4) 9:30–10:00 (4) Th 7:20–10:10
(5) 9:30–10:00 (5) F 7:20–10:10
(6) 9:30–10:00 (6) M 10:10–1:00
(7) 10:10–10:40 (7) T 10:10–1:00
(8) 10:10–10:40 (8) T 10:10–1:00
(9) 10:10–10:40 (9) Th 10:10–1:00
(10) 11:00–11:30 (10) F 10:10–1:00
(11) 11:00–11:30
(12) 11:00–11:30
June 19–August 25

135 CALCULUS I (4)
(2 sections)
Basic concepts and techniques, derivatives, conics, and integrals. Prerequisite: 134 or two years of high school algebra and trigonometry.
MTWTh (1) 7:20–8:35 Lab (1) F 7:20–10:10
(2) 8:45–10:00 (2) F 8:45–11:35
June 19–August 25

136 CALCULUS II (4)
(2 sections)
Exponential, logarithmic and hyperbolic functions; techniques of integration; elements of three dimensional analytic geometry; multiple integration; infinite series; partial differentiation. Prerequisite: 135 or equivalent.
Daily (1) 7:20–8:35 Lab (1) TF 10:10–12:10
(2) 8:45–10:00 (2) MTh 10:10–12:10

201 FINITE MATHEMATICS (3)
Symbolic logic of statements and sets, partitions, permutations, combinations and elementary probability. Prerequisite: 134.
Daily 7:20–8:35
231  APPLIED ADVANCED CALCULUS (3)
Series, partial derivatives, vector spaces. Prerequisite: 136.
MTThF 10:10–11:25
June 19–August 25

232  ORDINARY DIFFERENTIAL EQUATIONS (3)
(2 sections)
Theory and application of ordinary differential equations. Prerequisite: 231.
Daily (1) 7:20–8:35
(2) 8:45–10:00

311  LINEAR ALGEBRA (3)
Algebra of matrices, linear equations, real vector spaces and transformations. Prerequisite: 136.
MTThF 8:45–10:00
June 19–August 25

431  ADVANCED CALCULUS I (3)
Limits and continuity, functions of several variables, multiple integrals, infinite series, calculus of variations. Prerequisite: 232, 311.
MTThF 10:10–11:25
June 19–August 25

471  PROBABILITY (3)
Probability laws, discrete and continuous probability distributions, expectations, moments, cumulants, generating functions. Prerequisite: 232.
TF 5:00–6:15 p.m.
June 19–September 29

Medical Technology (MT)

266  MEDICAL TECHNOLOGY (4) Wulf
Student technologist training in a cooperating hospital laboratory under supervision of a qualified director. Prerequisite: consent of instructor.
Hrs. arr.

Microbiology (Micro)

130  MICROBES AND MAN (2) O. Bushnell
General introduction to the world of microbiology, presenting the different kinds of microorganisms and their manifold activities as they affect people and their possessions. Attention to the functions of microorganisms in health and in disease, and the roles that microorganisms play in agriculture and industry, in the preparation of foods and beverages, and in the economy of the sea. Lectures supplemented with demonstrations and visual aids. Not open to students who have had 151 (Bacteriology). Prerequisite: One year of high school science or its equivalent.
Daily 10:10–11:00

655  VIROLOGY (4) S. Baron
Basic concepts of animal virus-host cell interaction at the cellular level with consideration of the architecture, chemical composition, growth characteristics, tumorigenic potential, genetics, immunology and pathogenesis of the virion. Lectures supplemented with demonstrations. Prerequisite: 362, 625; Biochemistry 441 or 602; or consent of instructor.
Daily 9:30–11:20
665 ELECTRON MICROSCOPY (2) H. Hohl
Introduction to the use of the electron microscope and preparative techniques. Prerequisite: 661 and consent of instructor.
Hrs. arr.

699 DIRECTED RESEARCH
Selected problems in microbiology. Prerequisite: consent of instructor.
Hrs. arr.

800 THESIS RESEARCH
Hrs. arr.

Music (Mus)

140 RECREATIONAL MUSIC (2) Uchima
Elementary music skills including instruction on the ukulele. For recreation majors but open to others. Not open to those who have had 150.
Daily 9:10-10:00

150 ELEMENTARY MUSICIANSHIP (3) Lum
Terminology, notation, sight singing, rhythmic and melodic dictation, and ukulele instruction. For prospective teachers. Not open to those who have had 140.
Daily 10:10-11:25

154 BRASS METHODS (2) Lum
Basic skills and teaching methods for stringed instruments. For students preparing to teach instrumental music.
Daily 7:45-8:35

155 PERCUSSION METHODS (2) L. Russell
Similar to 154, plus marching band techniques.
Daily 9:10-10:00

160 INTRODUCTION TO MUSIC LITERATURE (3) Vaught
Orchestral literature from the classical through the modern period. From the listener's point of view.
Daily 8:45-10:00

253 MUSIC, ELEMENTARY CURRICULUM (3) Paul
Organization and direction of music in childhood experience. Materials and procedures. Prerequisite: 150 or equivalent and consent of instructor. Limited enrollment.
Daily 10:10-11:25

400 UNIVERSITY CONCERT CHOIR (1) Uchima
Performance of a cappella literature and other major choral works including masses or cantatas. Prerequisite: consent of instructor.
Daily 10:10-11:00

401(73) PHILIPPINE ENSEMBLE (1) C. Wolz
Prerequisite: audition or consent of instructor.
Daily 10:10-11:00

409 UNIVERSITY CONCERT BAND (1) Lum
Performance of major band literature including works by contemporary composers. Prerequisite: audition or consent of instructor.
Daily 11:35-12:25
450 MUSIC FOR ELEMENTARY TEACHERS (3) Trubitt
Continuation of 150 with emphasis upon sight singing, melodic and rhythmic dictation, and basic harmony. Prerequisite: 150 or equivalent. Not open to music majors. Daily 11:35-12:50

464 CONTEMPORARY MUSIC (2) Vaught
From Debussy to the present. Schoenberg, Bartok, Hindemith, Stravinsky, and contemporary American composers. Daily 10:10-11:00

467 STUDIES IN CURRENT MUSICAL STYLES (2) E. Krenek
Investigation of music literature of the present day involving techniques such as serial, electronic and aleatoric. Prerequisite: 160 or 181 or equivalents. Daily 1:35-2:25

475 MUSIC OF CHINA (2) Chou Wen-chung
Philosophy, aesthetics, form and style of Chinese traditional music. Prerequisite: 160 or 181 or equivalents. Daily 9:10-10:00

476 MUSIC OF THE PHILIPPINES AND RELATED SOUTHEAST ASIAN CULTURES (2) J. Maceda
Form and style of traditional musics of Southeast Asia with emphasis on the Philippines. Prerequisite: 160 or 181 or equivalents. Daily 11:35-12:25

554 PACIFIC AND ASIAN MUSIC IN EDUCATION (2) Gillett
Songs, dances, musical instruments of Hawaii and Asia, for grades 4, 5, 6. Prerequisite: teaching experience or consent of instructor. Rehearsal hours arranged. Daily 9:10-10:00

587 SYMPOSIUM IN MUSIC COMPOSITION (2) Chou Wen-chung, Krenek, Maceda
Original composition with discussions of specific approaches to creative writing. Prerequisite: one year of undergraduate composition at the junior or senior level (487-488). Daily 2:35-3:25

651 FOUNDATIONS IN MUSIC EDUCATION (2) Paul
Discovery and organization of broad problems in music education. Relating basic concepts of music in the elementary and secondary schools to the total curriculum. Prerequisite: teaching experience. Daily 11:35-12:25

Applied Music

121(11) CLASS VOICE INSTRUCTION (1) Vine
Class instruction in voice. Practice facilities in Music Building. Course fee $25.00. Hrs. arr.

121(23) CLASS KOTO INSTRUCTION (1) Mikami
Class instruction in koto. Practice facilities in Music Building. Course fee $25.00. Hrs. arr.

122 CLASS PIANO INSTRUCTION (1) R. Pfeiffer
Class instruction in piano at beginning level. Practice facilities in Music Building. Daily 9:10-10:00
131  **INDIVIDUAL INSTRUCTION (1)**

For non-music majors, or music majors who intend it as a secondary medium of performance. May be repeated. Course fee $55.00.

Hrs. arr.

(11) Voice (Vine)  
(12) Hawaiian Chant (Staff)  
(21) Piano (Coraggio, R. Pfeiffer)  
(22) Organ (Herand)  
(23) Koto (Mikami)  
(24) Harpsichord (Herand)  
(31) Violin (Vaught)  
(32) Viola (Vaught)  
(33) Cello (Trubitt)  
(34) Double Bass (Russell)  
(41) Flute (Harling)  
(42) Oboe (Alexander)  
(43) Clarinet (Miyamura)  
(44) Bassoon (Uchima)  
(45) Saxophone (Uchima)  
(51) Trumpet (Lum)  
(52) French Horn (Lum)  
(53) Trombone (Lum)  
(54) Tuba (Lum)  
(55) Baritone Horn (Lum)  
(61) Percussion (L. Russell)  
(71) Japanese Dance (Arai)  
(72) Korean Dance (Huhm)  
(73) Filipino Dance (Wolz)

135, 136, 137, 138  **INDIVIDUAL INSTRUCTION (1)**

Voice, piano, or orchestral instruments at freshmen and sophomore levels. For prospective music majors. Course number assigned after auditions with music department staff members. Course fee $55.00.

Hrs. arr.

(11); (21); (31); (32); (33); (34); (35); (41); (42); (43); (44); (51); (52); 
(53); (54); (55); (61)

231, 435  **INDIVIDUAL INSTRUCTION (1)**

Voice, piano, dance, orchestral or Asian instruments. Non-music majors at junior-senior level, or majors as a secondary medium. May be repeated for credit. Course fee $55.00.

Hrs. arr.

(11); (12); (21); (23); (31); (32); (33); (34); (35); (41); (42); (43); (44); 
(45); (51); (52); (53); (54); (55); (61); (71); (72); (73)

235, 236, 237, 238, 635  **INDIVIDUAL INSTRUCTION (1)**

Voice, piano or orchestral instruments at junior, senior, and graduate levels. For music majors. Course number assigned after auditions with music department staff members. Course fee $55.00.

Hrs. arr.

(11); (21); (31); (32); (33); (34); (35); (41); (42); (43); (44); (45); 
(51); (52); (53); (54); (55); (61)

**Oceanography (Ocean)**

201  **SCIENCE OF THE SEA (3)**

H. F. Frolander

Introduction to the biologic, geologic, chemical, and physical aspects of oceanography. Based on classroom lectures and use of oceanographic equipment and techniques at sea aboard ship and in the near-shore zone.

Daily MTThF 8:45-10:00; Sat. 8:00-5:00 Field expeditions

699  **DIRECTED RESEARCH**

Hrs. arr.

800  **THESIS RESEARCH**

Hrs. arr.
Philosophy (Phil)

100 INTRODUCTION TO PHILOSOPHY (3)  McCarthy
Problems, methods, and fields of philosophy.
Daily 7:20–8:35

200 INTRODUCTION TO LOGIC (3)  Walther
Principles of modern deductive logic.
Daily 10:10–11:25

350 ETHICS (3)  De Lucca
Comparative analysis of ethical theory in theological, legal, literary, scientific, social, as well as philosophical sources indicating the relevance of ethical theory to the process of decision making.
Daily 8:45–10:00

400 CONTEMPORARY PHILOSOPHY (3)  Nagley
Survey of recent developments in Western philosophy.
Daily 1:00–2:25

439 PHENOMENOLOGY (3)  Walther
Founding of phenomenology by Edmund Husserl and the continuing development of this movement in continental philosophy including the historical interaction with existentialism.
Daily 11:35–12:50

450 INDIAN PHILOSOPHY (3)  Sabena
Philosophical systems and movements: the Vedas, Upanishads, Six Systems of Hindu­ism, Charvaka, Jainism, Buddhism.
Daily 10:10–11:25

460 BUDDHIST PHILOSOPHY (3)  Robinson
Survey of the basic schools and tenets of Buddhist philosophy.
Daily 11:35–12:50

470 CHINESE PHILOSOPHY (3)  Cheng
Historical survey of the important philosophical schools and tendencies in China, ancient and modern.
Daily 8:45–10:00

510 PHILOSOPHY IN LITERATURE (3)  McCarthy
Literary expression of philosophical ideas. Consideration of such writers as Beckett, Camus, Hemingway, Kafka, Rilke, Sartre, T. S. Eliot.
Daily 10:10–11:25

520 EXISTENTIAL PHILOSOPHY (3)  Nagley
Survey of the main themes of European existential philosophy. Particular attention to Kierkegaard and Heidegger.
Daily 8:45–10:00

625 SEMINAR IN METHODOLOGY OF THE SOCIAL SCIENCES (3)  Kaplan
The conduct of inquiry.
MW 2:30–5:30

Photography (Photo)

100 PRINCIPLES OF PHOTOGRAPHY (2)  Haar
Designed primarily for those with very little photography experience. History and science of photography. The camera, its construction and use; image formations;
lenses, their 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) Haar
Photography for advanced students. The camera as a tool of expression, photo-aestheticism, perception, selection, composition; objective and subjective factors in forming the image; experimental photography with lines, forms, tones, volumes, textures, and colors; experiments with light, without camera, photogram, specializations; photo-journalism; illustration; advertising, industrial, scientific, touristic photography; portraiture. Darkroom laboratory.
TTh 1:00-3:00

Physics (Phys)

160 COLLEGE PHYSICS (4) I. Miyake, J. Wilson
Fundamental principles, theories, experimental methods. Prerequisite: Math 102 and credit or registration in Math 103.
Daily 10:10-11:25 Laboratory TTh 1:10-4:00

170 GENERAL PHYSICS I (3) I. Miyake
Mechanics of particles, rigid bodies, fluids; properties of matter; wave motion, sound. Prerequisite: credit or registration in Math 136.
Daily 7:20-8:35

171 GENERAL PHYSICS LABORATORY I (1) J. Wilson
Experiments in statics, dynamics, properties of matter, periodic motion, sound. Prerequisite: credit or registration in 170.
MW 1:10-4:00

172 GENERAL PHYSICS II (3) G. Lefler
Fundamental laws of electricity and magnetism and their applications. Prerequisite: 170, 171; credit or registration in Math 231.
Daily 8:45-10:00

173 GENERAL PHYSICS LABORATORY II (1) G. Lefler
Experiments in heat, electricity, and magnetism. Prerequisite: credit or registration in 172.
MW 1:10-4:00

Political Science (PolSc)

110 INTRODUCTION TO POLITICAL SCIENCE (3) H. Karial
Introduction to political problems, systems, ideologies, and processes.
Daily 8:45-10:00

215 TOPICS IN AMERICAN GOVERNMENT (3) M. Shapiro
Topics may include American legislative process and American civil liberties as preannounced.
Daily 10:10-11:25

300 POLITICAL THOUGHT CORE (3) R. Choudhury
Consideration of major elements of political theory.
Daily 1:10-2:25
305 TOPICS IN POLITICAL THOUGHT (3)  
M. Goldstein, R. Miwa  
(2 sections)  
Topics may include empirical theory, regional political thought, and modern ideologies, as pre-announced.  
Daily (1) 8:45-10:00 (Goldstein)  
(2) 10:10-11:25 (Miwa)  

325 TOPICS IN INTERNATIONAL RELATIONS (3)  
C. McLaughlin, O. Lee  
(2 sections)  
Topics may include global and regional organizations, comparative foreign policies, international relations of the Far East, South and Southeast Asia, as pre-announced.  
Daily (1) 8:45-10:00 (McLaughlin)  
(2) 11:35-12:50 (Lee)  

335 TOPICS IN POLITICS (3)  
Y. Kuroda, R. Cahill  
(2 sections)  
Topics may include campaigns and elections, propaganda and public opinion, and community politics, as pre-announced.  
Daily (1) 8:45-10:00 (Kuroda)  
(2) 8:45-10:00 (Cahill)  

345 TOPICS IN COMPARATIVE GOVERNMENT AND POLITICS (3)  
M. Jezernik, Staff  
(2 sections)  
Topics may include Asian governments, other areas and regional problems, as pre-announced.  
Daily (1) 7:20-8:35  
(2) 8:45-10:00  

355 TOPICS IN PUBLIC ADMINISTRATION (3)  
M. Landau, K. Lloyd  
(2 sections)  
Topics may include problems of policy and techniques of implementation, as pre-announced.  
Daily (1) 8:45-10:00 (Landau)  
(2) 11:35-12:50 (Lloyd)  

600 SCOPE AND METHODS OF POLITICAL SCIENCE (3)  
Y. Kuroda  
Main concepts delineating boundaries of discipline; approaches to knowledge employed by political scientists, including philosophical, legal, historical, comparative, and behavioral. (Required for all degree students.)  
Daily 11:35-12:50  

602 RESEARCH PRACTICUM (3)  
Research techniques in current use by department members, including content analysis survey and interviewing experimentation, etc.; students will assist in a relevant research project. (Offered as staff conditions permit.)  
Daily 1:10-2:25  

610 POLITICAL THOUGHT (3)  
R. Cahill  
Each semester a topical or chronological section on normative Western political thought; in addition, sections with geographical delimitation (as American, Asian, etc.) offered as staff conditions permit.  
Daily 10:10-11:25  

620 AMERICAN GOVERNMENT (3)  
R. Miwa  
At least one section a semester, with focus of sections varying among national, state, and local governments, and special topics.  
Daily 11:35-12:50
631 INTERNATIONAL RELATIONS ASIA (3)  N. Palmer
At least one section a semester on international relations of all or parts of Asia.
Daily 10:10–11:25

640 COMPARATIVE GOVERNMENT AND POLITICS (3)  R. Choudhury, Staff
(2 sections)
At least one section a semester, with focus of sections varying among East Asia, Southeast Asia, South Asia, Europe, and developed politics. (Frequent offerings of Asian sections will be scheduled.)
Daily (1) 10:10–11:25
(2) 11:35–12:50

650 PUBLIC ADMINISTRATION THEORY (3)  K. Lloyd
One section each semester, with focus of sections varying among theoretical approaches to study of administration, comparative, and development administration.
Daily 8:45–10:00

670 POLITICS (3)  M. Shapiro
At least one section a year surveying the literature on the study of politics and political interaction.
Daily 8:45–10:00

710 SEMINAR: POLITICAL THOUGHT (3)  H. Kariel
Pre-announced topics; at least one section a year. Prerequisite: consent of instructor. Seminars may be repeated for credit.
Daily 10:10–11:25

720 SEMINAR: AMERICAN GOVERNMENT (3)
Pre-announced topics; at least one section a year. Prerequisite: consent of instructor. Seminars may be repeated for credit.
Daily 1:10–2:25

730 SEMINAR: INTERNATIONAL RELATIONS (3)  C. McLaughlin
Pre-announced problems of both international organization and politics; at least one section a semester. Prerequisite: consent of instructor. Seminars may be repeated for credit.
Daily 10:10–11:25

740 SEMINAR: COMPARATIVE GOVERNMENT AND POLITICS (3)  M. Jezernik
Pre-announced topics; at least one section a semester. Prerequisite: consent of instructor. Seminars may be repeated for credit.
Daily 10:10–11:25

750 SEMINAR: PUBLIC ADMINISTRATION (3)  M. Landau
Administrative theory, comparative and development administration, and functional aspects, as pre-announced; at least one section a semester. Prerequisite: consent of instructor. Seminars may be repeated for credit.
Daily 11:35–12:50

770 SEMINAR: POLITICS (3)  M. Goldstein
Pre-announced topics; at least one section a year. Prerequisite: consent of instructor. Seminars may be repeated for credit.
Daily 10:10–11:25
Psychology (Psy)

Psychology 100 or 200 or the equivalent is prerequisite to all other psychology courses listed below.

100 SURVEY OF PSYCHOLOGY (3)  H. Mansson
   Principles of human behavior. Individual differences, motivation, emotion, perception, learning, etc. Not open to those who have had 200; intended for non-majors.
   Daily 8:45-10:00

200 INTRODUCTION TO THE SCIENCE OF PSYCHOLOGY (3)  J. Townsend
   General study of behavior through application of the scientific method. Intended for psychology majors. Concurrent enrollment in 201 required.
   Daily 7:20-8:35

201 INTRODUCTORY LABORATORY IN PSYCHOLOGY (2)  L. Herman
   (3 sections)
   Laboratory to accompany 200
   MW 8:45-12:30
   TTh 8:45-12:30
   MW 12:45-2:45 & F 8:45-12:30

203 LEARNING AND MOTIVATION (3)  J. Townsend
   Major conditions influencing learning and forgetting; the role of practice, reward, motivation, drive and emotion; theoretical interpretations of learning and motivation.
   Prerequisite: 200, 201.
   Daily 8:45-10:00

205 SENSORY PROCESSES (3)  H. Ono
   Psychophysics; vision, audition, taste, smell. Prerequisite: 200, 201.
   Daily 10:10-11:25

220 STATISTICAL TECHNIQUES (3)  H. Ono
   Frequency distributions; graphic methods, central tendency; variability; correlation; reliability; tests of significance. Prerequisite: two years of high school algebra or equivalent; 200, 201.
   Daily 7:20-8:35

226 INDIVIDUAL DIFFERENCES AND MEASUREMENT (3)  S. Reed
   Individual differences in personality, aptitude, intelligence; construction, validation, and administration of tests; interpretation of scores. Prerequisite: 200, 201, 220.
   Daily 7:20-8:35

350 DEVELOPMENTAL PSYCHOLOGY (3)  D. Baer
   Emotional, mental, physical, social development from infancy to adulthood; interests and abilities at different age levels. Prerequisite: 100 or 200.
   Daily 8:45-10:00

360 PSYCHOLOGY OF PERSONALITY (3)  D. Miklich
   Theory and methods in study of behavioral organization and continuity; case study.
   Prerequisite: 100 or 200.
   Daily 7:20-8:35

362 SOCIAL PSYCHOLOGY (3)  H. Mansson
   Interpersonal relations; social attitudes; group dynamics; intergroup relations; class and cultural influences. Prerequisite: 200, 201.
   Daily 10:10-11:25
380 ABNORMAL PSYCHOLOGY (3)  B. Bloom
Nature and causes of psychoneuroses and psychoses; abnormalities of intelligence; psychotherapy. Prerequisite: 100 or 200.
    Daily 8:45–10:00

582 PSYCHOLOGICAL TESTING (3)  S. Reed
Rationale of test construction and validation, and administration; fundamentals of statistical test theory. Prerequisite: 200, 201, 226.
    Daily 10:10–11:25

600(4) SEMINAR: EXPERIMENTAL (3)  L. Herman
Problems in experimental psychology.
    TTh 1:00–3:30

600(6) SEMINAR: PERSONALITY (3)  A. Edwards
Structured measures of personality.
    Daily 11:35–12:50

600(8) SEMINAR: DEVELOPMENTAL (3)  D. Baer
Problems in developmental psychology.
    Daily 11:35–12:50

660 PERSONALITY (3)  D. Miklich
Theory and research in personality, with emphasis upon primary sources, such as Freud, Jung, Adler, Rogers, Murray, Lewin, Murphy. Prerequisite: 360 or equivalent.
    Daily 10:10–11:25

678 PSYCHOLOGY OF OCCUPATIONS (3)  Staff
Vocational development, determinants of career choice, personality correlates, job requirements and human disabilities, vocational guidance.
    Daily 8:45–10:00

750 RESEARCH IN DEVELOPMENTAL PSYCHOLOGY (3)  Staff
Supervised reading, discussion, and research projects in areas of special interest. Open only to second-year graduate students. May be repeated.
    Hrs. arr.

779 PSYCHOLOGY OF REHABILITATION (3)  Staff
Research and theory. Psychological problems associated with disability. Counseling techniques in planning rehabilitation. Case studies. Prerequisite: consent of instructor.
    Daily 10:10–11:25

782 PSYCHOLOGICAL COUNSELING (A) (3)  B. Bloom
Theory and technique in psychological counseling. Prerequisite: 226.
    Daily 11:35–12:50

Public Health (PH)

699 DIRECTED RESEARCH
    Hrs. arr.

710 ADVANCED PUBLIC HEALTH PRACTICE (3)

800 THESIS RESEARCH
    Hrs. arr.
Religion (Rel)

151 MEANING OF EXISTENCE (3) Crawford
Introduction to the basic ideas and issues of contemporary religious thought as they are related to the question: What is the meaning of existence?
Daily 8:45-10:00

250 THE LIVING RELIGIONS OF HAWAII (2) Crawford
Study of the basic beliefs, practices, and contributions of the religious forces most significant in Hawaii today, including Buddhism, Shinto, Confucianism, Taoism, Judaism, and Christianity.
Daily 11:35-12:25

388 THERAVADA BUDDHISM IN INDIA AND S.E. ASIA (2) Chem
History and basic principles of Theravada Buddhism in India and Southeast Asia.
Daily 8:45-10:00

389 MAHAYANA BUDDHISM IN EAST ASIA (2) Chen
History and basic principles of Mahayana Buddhism in East Asia.
Daily 10:10-11:25

Russian (Rus)

101 ELEMENTARY RUSSIAN (4) Keller
Intensive course in conversation, grammar, reading, writing. Language lab practice required daily.
Daily 8:30-10:40 Laboratory No. 2 (Webster 302)

151 INTERMEDIATE RUSSIAN (3) Rossbacher
Intensive course in conversation, grammar review, reading, composition. Prerequisite: 102 or the equivalent. Language lab practice required daily.
Daily 12:00-1:50 Laboratory No. 2 (Webster 302)

402 19TH-CENTURY LITERATURE IN TRANSLATION (3) Rossbacher
Survey of important writers in translation, particularly Pushkin, Lermontov, Gogol, Goncharov, Turgenev, Chekhov, Dostoevsky, Tolstoi.
Daily 8:00-9:50

Sanskrit (Sansk)

101 ELEMENTARY SANSKRIT (3) G. Artola
Elements of grammar and reading. Equivalent to first semester's work in the academic year.
Daily 1:10-2:25

151 INTERMEDIATE SANSKRIT (3) G. Artola
Continuation of 102. Reading of classical texts, with a review of grammar.
Daily 3:10-5:00

Social Work (SW)

787 CURRENT PRACTICE IN COMMUNITY ORGANIZATION (2) H. Jambor
Prerequisite: M.S.W. degree or consent of instructor.
Daily 1:10-3:10
June 19-July 7
**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.

**S 151 INTRODUCTION TO THE STUDY OF SOCIETY (3)**  
Hirabayashi  
Basic social relationships, norms, social structures, and processes affecting social change. Not open to juniors or seniors.  
Daily 10:10–11:25

**S 201 PRINCIPLES OF SOCIOLOGY (3)**  
Schrag  
Principles underlying the 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

**S 264 SOCIAL INSTITUTIONS (2)**  
Sussman  
Culture as a conceptual tool. Origin, structure, function, and growth of institutions. Interrelation and integration.  
Daily 11:35–12:25

**S 270 SOCIAL CONTROL (3)**  
Gibbs  
Analysis of the processes by which individuals become amenable to social and mass definitions of conduct and behavior.  
Daily 10:10–11:25

**S 306 CRIMINOLOGY (2)**  
Schrag  
Crimes and criminals; causative theories of criminality; institutional problems of apprehension, prosecution, incarceration, correction and rehabilitation.  
Daily 11:35–12:25

**S 324 PERSONALITY AND CULTURE (3)**  
Yamamoto  
Origin and development of personality as the subjective aspect of culture; function of communication; human nature and the mores; personal life organization.  
Daily 11:35–12:50

**S 344 SOCIAL CHANGE (2)**  
Wittermans  
Structural-functional organization. Impact of technology on institutions, value orientation, power structures, systems of roles, and stratification.  
Daily 9:10–10:00

**S 436 THE URBAN COMMUNITY (2)**  
Yazaki  
Sociological principles as applied to the modern city. Structure, growth, social and personal life organization.  
Daily 10:10–11:00

**S 446 PEOPLE AND INSTITUTIONS OF JAPAN (3)**  
Yazaki  
Social structure and social change in contemporary Japan. Special attention to the family, stratification, and mobility.  
Daily 11:35–12:50

**S 450 RACE AND CULTURE CONTACTS IN HAWAII (2)**  
Yamamoto  
Dominant conceptions of race and race relations; analysis of factors affecting them. Problems in a commercial and plantation frontier.  
Daily 10:10–11:00
$472$ THE FAMILY (3)  
Culturally distinctive family types as background for analysis and interpretation of the American family.  
Daily 8:45–10:00

$480$ SOCIOLOGY OF RELIGION (3)  
Structure, function, and dynamics of religion in various types of society.  
Daily 7:20–8:35

$545$ COLLECTIVE BEHAVIOR AND SOCIAL MOVEMENTS (3)  
Elementary forms of collective behavior; crowds, publics, and mass behavior; social movements, their development and relation to social change.  
Daily 10:10–11:25

$580$ SOCIOLOGICAL THEORY (2)  
History of sociology as reflected in writings ranging from early Greek thought to modern authors such as Durkheim, Pareto, Simmel, Parsons, Merton.  
Daily 7:45–8:35

$602$ SEMINAR IN HUMAN ECOLOGY (2)  
Ecological structures; factors affecting the distribution of population, public utilities, and social institutions. Prerequisite: consent of instructor.  
MW 1:10–3:15

$656$ CULTURE AND COMMUNICATION (2)  
Theories of communication; interaction between oral traditions, the press and audio-visual mass media in cultural context. Prerequisite: consent of instructor.  
TTh 1:10–3:15

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**Spanish (Span)**

$101$ ELEMENTARY SPANISH (4)  
Intensive beginning course, primarily emphasizing oral practice. Two classes and two lab sessions required daily.

<table>
<thead>
<tr>
<th>Laboratory No. 1 (Webster 303)</th>
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<tr>
<td>Daily (1) 7:30–8:30; 8:50–9:50 (Holton) 7:00–7:20; 10:00–10:20</td>
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<tr>
<td>(2) 8:30–9:30; 9:50–10:50 (Montes) 8:00–8:20; 11:00–11:20</td>
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<tr>
<td>(3) 9:30–10:30; 10:50–11:50 (Varela-Ibarra) 9:00–9:20; 12:00–12:20</td>
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$151$ INTERMEDIATE SPANISH (3)  
Continuation or oral practice, with increasing emphasis on reading and written composition. One class and two lab sessions required daily.

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<tr>
<td>Daily (1) 9:30–10:55 (Montes) 9:00–9:20; 11:00–11:20</td>
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<td>(2) 9:30–10:55 (Jenkins) 9:00–9:20; 11:00–11:20</td>
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<tr>
<td>(3) 9:30–10:55 9:00–9:20; 11:00–11:20</td>
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$203$ ADVANCED GRAMMAR & COMPOSITION (3)  
More detailed study of problem areas of Spanish grammar. Cultivation of accuracy and elegance.  
Daily 10:00–11:30
230 PHONETICS & PRONUNCIATION PRACTICE (2) Holton
Analysis of Spanish phonological system, in contrast with English. Practice designed to perfect the student's own pronunciation. Language lab practice required daily. Daily 10:00-11:00 Laboratory No. 2 (Webster 302)

431 THE STRUCTURE OF SPANISH (3) Hadlich
Phonological, morphological, and syntactic structure of contemporary Spanish, as analyzed by descriptive linguists. Prerequisite: Ling 202 or the equivalent and Span 152, or consent of instructor. Daily 8:45–10:00

Speech (Sp)

110 INTRODUCTION TO GENERAL AMERICAN PHONOLOGY (2) M. Gordon
Introduction to the phonology of general American speech, articulatory, rhythmic, and melodic differences between general American and Hawaii's sub-standard dialect. Conferences required. Daily 10:10–11:00

145 EXPOSITORY AND PERSUASIVE SPEAKING (3) Burgess, Byers, Ellingsworth, Embrey, J. Harms, Holland, Kunimoto, Oxford
(12 sections)
Practice in systematic analysis of expository and suasive ideas with instruction in their preparation for public discourse. Prerequisite: permission from Speech Communication Center.
Daily (1) 7:20–8:35 (Harms) (7) 10:10–11:25 (Kunimoto) 
(2) 7:20–8:35 (Embrey) (8) 10:10–11:25 (Ellingsworth) 
(3) 8:45–10:00 (Harms) (9) 10:10–11:25 (Holland) 
(4) 8:45–10:00 (Embrey) (10) 11:35–12:50 (Kunimoto) 
(5) 8:45–10:00 (Byers) (11) 11:35–12:50 (Oxford) 
(6) 8:45–10:00 (Burgess) (12) 1:10–2:25 (Oxford)

210 PHONETICS (2) (For Keio Program Only) Carr, Phelps
Phonology of American English; standards of pronunciation; dialects. Hrs. arr.

214 VOICE TRAINING FOR SPEECH (2) M. Gordon
Improvement of skills in voice emphasizing control of projection, clarity, and flexibility. Daily 9:10–10:00

230 READING ALOUD (3) Breneman, Hoffman
(3 sections)
Principles of interpretative reading. Practice in textual analysis and in transmitting the intellectual and aesthetic content of literature.
Daily (1) 8:45–10:00 (Breneman) 
(2) 10:10–11:25 (Hoffman) 
(3) 11:35–12:50 (Hoffman)

250 PUBLIC SPEAKING (3) Byers
Principles of oral composition and delivery with attention to the texts of British and American speeches. Prerequisite: sophomore standing. Daily 1:10–2:25

270 BROADCASTING (3) Staff
Analysis and survey of radio and television as communications media and as industries. Daily 10:10–11:25
98 1967 SUMMER CATALOG

335 STORYTELLING (2) L. Breneman
The oral story as a device for entertainment and education. Oral tradition; analysis of story types; techniques of preparation and presentation; performance.
Daily 10:10–11:00

365 SPEECH FOR THE CLASSROOM TEACHER (3) Larson, Burgess
(3 sections)
Pedagogy for the classroom teacher. Integration of speech improvement in the curriculum; speech problems of Hawaii. Prerequisite: (for elementary sections) 110.
Daily (1) Elem. 7:20–8:35 (Larson)
(2) Elem. 8:45–10:00 (Larson)
(3) Sec. 10:10–11:25 (Burgess)

370 RADIO-TELEVISION SPEECH (3) Staff
Study of speech forms and principles as adapted for the broadcasting media. Preparation of radio and television program material; performance with emphasis on microphone and camera presentation.
Daily 11:35–12:50

440 SEMANTICS (3) J. Hoshor
Understanding language; verbal meaning and implication; the roles of perception and assumption (inference and judgment) in human relationships.
Daily 10:10–11:25

480 GROUP LEADERSHIP AND DISCUSSION (3) H. Ellingsworth
Principles and techniques of effective group leadership and human relations; semantic and psychological barriers to communication. Analysis and discussion of social problems.
Daily 11:35–12:50

598 SPECIAL PROBLEMS (arr.) Staff
(1) General speech education; (2) speech correction; (3) phonetics; (4) interpretation; (5) forensics, public address; (6) radio; (7) pedagogy; (8) audiology; (9) speech and hearing science. Prerequisites: permission of chairman and of instructor.

660 GENERAL SEMINAR (3) Staff
Significant topics and problems in speech. May be repeated.

Speech Pathology and Audiology

200 INTRODUCTION TO SPEECH CORRECTION (3) Ansberry
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

201 INTRODUCTION TO AUDIOLOGY (3) Pang-Ching
Basic problems of hearing rehabilitation; hearing problems and their treatment.
Daily 7:20–8:35

611 ADVANCED PRACTICUM IN AUDIOLOGY (1–3) Pang-Ching
Clinical practice in administering special tests; interpretation of audiograms; counseling of individuals with impaired hearing; use of varied rehabilitation techniques.
Hrs. arr.

641 SEMINAR IN AUDIOLOGY (3) Ansberry
Review of research and literature in the field of hearing.
Hrs. arr.
Tagalog (Tag)

111 INTENSIVE ELEMENTARY TAGALOG (6) Staff
Intensive course equivalent to Elementary Tagalog in the 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. Daily 8:30-11:30; 1:00-3:00 Laboratory No. 2 (Webster 302)

Technical Nursing (TN)

112 NURSING (PSYCHIATRIC) (4) Staff
Principles of nursing care for the prevention and treatment of mental illness. Includes guided clinical experience. Prerequisite: 109 or equivalent.
TTh 8:30-10:20 Laboratory MWF 8:00-1:30
W 2:30-4:20

123 NURSING (ADVANCED MEDICAL–SURGICAL) (4) Staff
Student integrates and applies acquired knowledges and skills in planning, implementing and evaluating care for groups of individuals. Prerequisite: 120.
MTF 8:30-10:20 Laboratory WTh 7:30-3:30

Thai (Thai)

111 INTENSIVE ELEMENTARY THAI (6) Staff
Intensive course equivalent to Elementary Thai in the 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.
Daily 9:30-12:30; 2:00-4:00 Laboratory No. 2 (Webster 302)

112 INTENSIVE INTERMEDIATE THAI (6) Staff
Intensive course equivalent to Intermediate Thai in the 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.
Daily 9:30-12:30; 2:00-4:00 Laboratory No. 2 (Webster 302)

Vietnamese (Viet)

111 INTENSIVE ELEMENTARY VIETNAMESE (6) Staff
Intensive course equivalent to Elementary Vietnamese (AP 101–102) in the 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 drills required daily.
Daily 9:30–12:30; 2:00–4:00 Laboratory No. 2 (Webster 302)

Zoology (Zool)

101 GENERAL ZOOLOGY (4) T. Cheng
Introduction to zoological principles, including studies of the structure, development, relationships, and distribution of animals.
Daily 10:30–12:20 Lab MTWThF 1:30–4:20
Second Term  July 31—September 8

Agriculture, Tropical

Plant Pathology (PPath)

699 DIRECTED RESEARCH (arr.)  Staff

American Studies (Am St)

485 CONTEMPORARY AMERICAN CIVILIZATION: DISSENT (3)  J. P. Gurian
Theories of political dissent and its recent practice in America and Asia.
Daily 10:10-11:25

Anthropology (Anth)

399 DIRECTED RESEARCH  R. Pearson
Methods in archaeology. Prerequisite: consent of instructor.
Hrs. arr.

520 ARCHAEOLOGICAL TECHNIQUES (3)  R. Pearson
Archaeological survey and excavation; mapping, photography, recording. Field work conducted on Maui. Prerequisite: consent of instructor.
Hrs. arr.

Art

Architecture (Arch)

139 ARCHITECTURAL DESIGN (3)  H. Burgess
Design of simple buildings in relation to environment; discussion, field trips, sketch problems. Prerequisite: 137.
Daily 8:10-12:00

239 ARCHITECTURAL DESIGN (3)  H. Burgess
Building programs developed by means of planning, function, group and site; methods of research and analysis; introduction to elements of landscape architecture. Prerequisite: 139.
Daily 8:10-12:00

Art (Art)

141 CERAMICS (2)  S. Yamada
Methods and principles of creating pottery by hand.
Daily 8:10-12:00
July 31—August 18

142 CERAMICS (2)  C. Horan
Introduction to wheel throwing and emphasis on designing utilitarian wares. Prerequisite: 141.
Daily 8:10-12:00
July 31—August 18
143 CERAMICS (2)  C. Horan
Introduction to wheel throwing and emphasis on designing utilitarian wares. Prerequisite: 141.
Daily 8:10-12:00
July 31—August 18

152 SCULPTURE (2)
Study of qualities of form and structure in sculpture; methods of construction using various materials and techniques.
Daily 8:10-10:00

222 PAINTING (2)  K. Bushnell
Problems in creation of visual forms. Prerequisite: 112, 132 or equivalent.
Daily 10:10-12:00

312 FIGURE DRAWING (2)  K. Bushnell
Basic principles of drawing the human figure, including study of anatomy and articulation. The figure as a foundation of knowledge and skill and for its imaginative use. Prerequisite: 112.
Daily 8:10-10:00

642 CERAMICS (2)  C. Horan
Individual problems in advanced ceramics, using potter's wheel and hand-building techniques. Prerequisite: consent of chairman and instructor.
Daily 8:10-12:00
July 31—August 18

Botany (Bot)

399 BOTANICAL PROBLEMS (arr.)
May be repeated. Limited to senior majors with 2.7 grade-point ratio, or 3.0 grade-point ratio in botany.
Hrs. arr.

699 DIRECTED RESEARCH (arr.)
Prerequisite: candidacy for M.S. degree; consent of instructor.
Hrs. arr.

799 DIRECTED RESEARCH (arr.)
Prerequisite: candidacy for Ph.D. degree; consent of instructor.
Hrs. arr.

Business Administration

Accounting (Acc)

101 ELEMENTARY ACCOUNTING (3)  S. Lee
Theory and practice of income determination and asset valuation. Preparation and analysis of statements; uses for decision making. Prerequisite: 100.
MWF 7:45-9:30
Laboratory: TTh 7:45-9:30

201 INTERMEDIATE ACCOUNTING (3)  S. Lee
Critical examination of generally accepted accounting principles as applied to preparation and use of financial statements. Prerequisite: 200.
Daily 10:10-11:25
Business Analysis and Statistics (BAS)

301 BUSINESS STATISTICS (3)
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 7:20-8:35

Business Economics (BEc)

341 MANAGERIAL ECONOMICS II (3) Chung
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. Prerequisite: 340.
Daily 8:45-10:00

Management (Mgt)

340 HUMAN FACTORS IN MANAGEMENT (3) Gilson
Human relations in business; contributions of sociology and psychology to management process and to understanding of individual behavior in organizations.
Daily 8:45-10:00

Marketing (Mkt)

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 7:20-8:35

330 ADVERTISING MANAGEMENT (3) Stellmacher
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

Personnel and Industrial Relations (PIR)

350 PERSONNEL AND LABOR RELATIONS (3) Pendleton
Introduction to labor and trade unionism; introduction to personnel management principles and practices.
Daily 10:10-11:25

Chemistry (Chem)

399 DIRECTED RESEARCH (arr.) Staff
Prerequisite: consent of department chairman.
Hrs. arr.

699 DIRECTED RESEARCH (arr.) Staff
Prerequisite: consent of department chairman.
Hrs. arr.
**Chinese (Chin)**

112 **INTENSIVE INTERMEDIATE CHINESE (6)**

(3 sections)

Intensive course equivalent to Intermediate Chinese in the 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.

Laboratory No. 1 (Webster 303)

Daily (1) 9:00–12:00; 1:30–3:30
(2) 9:00–12:00; 1:30–3:30
(3) 9:00–12:00; 1:30–3:30

8:30–8:50; 1:00–1:20

8:30–8:50; 1:00–1:20

8:30–8:50; 1:00–1:20

162 **INTERMEDIATE CHINESE (4)**

Continuation of 161; equivalent of second semester's work in the academic year. Language lab practice required daily.

Laboratory No. 2 (Webster 302)

Daily 7:40–10:00

210 **THIRD-LEVEL CHINESE—MODERN (3)**

Continuation of 209; equivalent of second semester's work in the academic year.

Daily 8:45–10:00

402 **CHINESE LITERATURE IN ENGLISH (2)**

R. McLeod

Continuation of 401; equivalent of second semester's work in the academic year. Prerequisite: two semesters of literature in the English department.

Daily 1:35–2:25

410 **FOURTH-LEVEL CHINESE—MODERN (3)**

S. Jen

Continuation of 409; equivalent of second semester's work in the academic year.

Daily 1:10–2:25

**Economics (Econ)**

150 **PRINCIPLES OF ECONOMICS (3)**

Hung

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 7:20–8:35

151 **PRINCIPLES OF ECONOMICS (3)**

Sato

Analysis of how commodity and factor prices are determined. Discusses policies for efficient allocation of scarce resources. Required of all economics majors.

Daily 2:35–3:50

290 **LABOR ECONOMICS (3)**

Hung

Economic analysis applied to the labor market; wages, hours, conditions of work, unemployment, etc.

Daily 11:35–12:50

300 **INTERMEDIATE ECONOMIC THEORY: PRICE THEORY (3)**

Sato

Price determination and resource allocation under competition, monopoly, oligopoly, monopolistic competition. Theories of demand, cost, partial, general equilibrium.

Daily 10:10–11:25

304 **HISTORY OF ECONOMIC THOUGHT (3)**

Yeh

Survey of economic thought from Adam Smith to the present with emphasis on theory of value and distribution. Prerequisite: senior standing.

Daily 11:35–12:50
420 QUANTITATIVE METHODS IN ECONOMIC ANALYSIS (3)  
Designed to give students working knowledge of elements of algebra and calculus, and to apply such mathematics to solution of economic problems. Includes matrix algebra, elements of differential and integral calculus, differential equations and economic model building. Prerequisite: college algebra and 150–151.  
Daily 8:45–10:00

421 QUANTITATIVE METHODS IN ECONOMIC ANALYSIS (3)  
Includes theory and operations in statistical inference, introduction to econometrics. Covers probability and distribution theory, tests of hypotheses, small sample methods, analyses of variance and regression, correlation analysis, Gauss-Doolittle method, times series and index numbers. Prerequisite: 420 or permission of instructor.  
Daily 11:35–12:50

462 INTERNATIONAL ECONOMIC POLICY (3)  
Discussion of 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. Prerequisite: 460.  
Daily 7:20–8:35

620 MATHEMATICAL ECONOMICS (3)  
Application of mathematical methods to economic theory. Partial differentiation, integral calculus, series and expansion, vectors and matrices, determinants, systems of difference and differential equations, stability conditions, inter-industry relations, programming of activities and allocation of resources, aggregation problem, elementary theory of games.  
Daily 10:10–11:25

624 ECONOMETRICS (3)  
Mathematical models of economic behavior and use of advanced statistical methods for testing economic theories and estimating economic parameters. Includes general linear regression models, multivariate analysis, simultaneous equation models, least-square estimation, limited-information technique, identification, auto-correlation and times series analyses. Prerequisite: 620 or consent of instructor.  
Daily 8:45–10:00

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Education

Curriculum and Instruction (Ed CI)

255 CHILDREN'S LITERATURE (2)  
(2 sections)  
Acquaintance with wide range of children's books; criteria for judging literature on basis of needs and interests. Prerequisite: 341.  
Daily (1) 9:10–10:00  
(2) 10:10–11:00

235 LITERATURE FOR ADOLESCENTS (2)  
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 31–August 25

320 LANGUAGE ARTS, ELEMENTARY (2)  
Modern approach to teaching of language arts—reading, oral and written expression. Prerequisite: 341.  
Daily 7:45–8:35
321 TEACHING READING IN THE ELEMENTARY SCHOOL (2)  W. Wiley
Survey of the reading process: development of reading readiness, word recognition, comprehension, reading rate, vocabulary, reading interests and reading in the content areas. Selection and use of reading materials, and evaluation and appraisal of reading progress.
Daily 9:10–10:00

323 SCIENCE, ELEMENTARY (2)  Thier
Science education in the elementary school; developing concepts and understandings.
Prerequisite: 341.
Daily 8:45–10:00
July 31–August 25

324 MATHEMATICS, ELEMENTARY (2)  Staff
Purposes, procedures, scope, and organization in developing underlying concepts of elementary mathematics; analysis of new elementary mathematics programs; techniques, relative merits, and roles of inductive and deductive approaches to new ideas. Prerequisite: 341, Math 111 or 100.
Daily 10:10–11:00

325 TRENDS IN THE TEACHING OF ELEMENTARY MATHEMATICS (2)  Staff
Mathematical content necessary for effective use of newer approaches; nature of number systems; introduction to theory of numbers; basic concepts of algebra; foundations in geometry. Open for credit to students who took elementary math methods prior to September, 1962. Prerequisite: 341.
Daily 8:45–10:25
July 31–August 18

326 CREATIVE ART, ELEMENTARY (2)  Treat
Understanding scope and importance of art in the elementary school curriculum; creative use of art media through laboratory experiences. Prerequisite: 341, Art 101.
Daily 8:00–12:30
July 31–August 18

341(5) FOUNDATIONS IN CURRICULUM AND INSTRUCTION: ELEMENTARY SCHOOL (3)  Braun
Study of objectives and organization of the school's curriculum; discussion of principles and practices; roles of the teacher in school. Prerequisite: Ed EP 372. (Not required of students who have had Ed EE 220, 221, 224, or Ed SE 230.)
Daily 10:10–11:25

341(10) FOUNDATIONS IN CURRICULUM AND INSTRUCTION: SECONDARY SCHOOL (3)  A. In
Study of objectives and organization of the school's curriculum; discussion of principles and practices; roles of the teacher in school. Prerequisite: Ed EP 372. (Not required of students who have had Ed EE 220, 221, 224, or Ed SE 230.)
Daily 7:20–8:35

620 TEACHING READING IN THE ELEMENTARY SCHOOL (2)  Sheldon
(2 sections)
Theory and practice in teaching of reading from initial readiness stage through intermediate (upper elementary) grades. Current practices in methodology, organizational patterns, and evaluation are examined critically. Prerequisite: teaching experience.
Daily (1) 7:45–8:35
(2) 9:10–10:00
623  THE ELEMENTARY SCIENCE CURRICULUM (3)  Thier
Application of recent development in science curriculum construction, and learning theory to the elementary school. Science content and methodology stressed. Prerequisite: 323 and teaching experience.
Daily 11:35-12:50
July 31—August 25

640(4) SEMINAR IN TEACHING FIELDS: HEALTH AND PHYSICAL EDUCATION (3)  Tominaga
Study of trends, research, and problems of implementation in special areas of teaching in the secondary school. Prerequisite: undergraduate special methods course in appropriate teaching field; teaching experience. Field of study must be designated at registration. Consent of instructor.
Daily 8:00-9:55
July 31—August 25

640(10) SEMINAR IN TEACHING FIELDS: SOCIAL STUDIES EDUCATION (3)  Fultz
Study of trends, research, and problems of implementation in special areas of teaching in the secondary school. Prerequisite: undergraduate special methods course in appropriate teaching field; teaching experience. Field of study must be designated at registration. Consent of instructor.
Daily 8:45-10:40
July 31—August 25

Educational Communications (Ed EC)

514  AUDIO-VISUAL MEDIA (3)  Staff
Communication theory, characteristics of A-V media: 16 mm sound motion picture films, automated learning programs, television, projected and opaque materials (maps and models). Emphasis on utilization.
Daily 10:10-12:05
July 31—August 25

Educational Foundations (Ed EF)

320  FOUNDATIONS OF AMERICAN EDUCATION (3)
Contemporary educational theory and practice as related to major historical, philosophical, and social factors in American culture.
Daily 11:35-1:05
July 31—September 1

651  HISTORY OF AMERICAN EDUCATION (3)  Potter
Introduction to the history of American educational thought from the 17th century to the present.
Daily 3:30-5:00
August 7—September 8

Educational Psychology (Ed EP)

416  TESTS AND MEASUREMENTS (3)  Haehnlen
Theory and techniques of evaluation in education. Prerequisite: Ed CI 341.
Daily 8:05-10:00
July 31—August 25

507  REMEDIAL READING (3)  L. Miller
Techniques for motivating and helping children whose reading skills are below their capacity and needs.
Daily 8:05-10:00
July 31—August 25
510 PRINCIPLES AND TECHNIQUES OF RESEARCH IN VOCATIONAL EDUCATION (3)  A. Lee
Study of basic principles, terminology, and techniques of educational research as applied specifically to problems in vocational education and community college program development.
Daily 8:05-10:00
July 31—August 25

601 GUIDANCE IN THE SCHOOL (3)  L. Miller
Basic principles of guidance; consideration of techniques, organization, materials, resources.
Daily 10:10-12:05
July 31—August 25

730 COMPUTER APPLICATIONS AND STUDIES OF HUMAN BEHAVIOR (6)  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 8:45-11:25

Health and Physical Education (HPE)
Medical Clearance Requirement: At the time of registration a student is required to show evidence of a medical clearance issued by the Student Health Service for the following courses: HPE 101通过 162, 232 through 236, 333 through 337, 433 and 434. A student without a medical clearance will not be allowed to register in the courses indicated.

101 PHYSICAL FITNESS (Women) (1)  Murchison
Conditioning exercises and activities to develop and maintain physical efficiency. Motor fitness tests are administered to measure status and progress.
Daily 10:10-11:00

103 SWIMMING: BEGINNING (1)  Murchison
Adjusting to water, immersing in water, floating, sculling; correct arm stroke, leg kick, breathing techniques and their coordination.
Daily 11:10-12:00

107 TENNIS: BEGINNING (1)  Schwitters
(2 sections)
Rules, etiquette, grip, forehand and backhand strokes, serving, volleying, and singles and doubles play.
Daily (1) 9:10-10:00
(2) 10:10-11:00

120 BADMINTON (1)  Beamer
Rules, etiquette, grip, forehand and backhand strokes, serving, smash, drive, net play, and offensive and defensive strategy in singles and doubles play.
Daily 10:10-11:00

162 KARATE (1)  Krieger
Rules, etiquette, basic stances, blocks, thrusts, kicks, ippon kumite, and selected kata. Student must provide his own uniform “gi.”
Daily 11:10-12:00

190 MODERN HEALTH: PERSONAL (1)  Ryan
(2 sections)
Mental-emotional health, family-living, and scientific health information as basis for personal hygienic living.
Daily (1) 9:10-10:00
(2) 10:10-11:00
July 31—August 25
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. Prerequisite: ability to swim 100 yards or consent of instructor.
Daily 11:10-12:25
July 31—August 25

232 SAFETY PROCEDURES AND FIRST AID (2) Seichi
Preventive and emergency treatment of injuries, emphasis on school, playground, and athletic situations; practical work in first aid. Red Cross certificate may be earned.
Daily 9:10-10:25
July 31—August 25

233 PHYSICAL EDUCATION: ELEMENTARY (3) Beamer
Content and methods for physical education in elementary school with emphasis on selection, planning, teaching, and evaluation of movement exploration and physical activities.
Daily 8:00-9:55
July 31—August 25

453 ANATOMY IN PHYSICAL EDUCATION (3) Chui
Gross human anatomy with emphasis on identification and description of parts of musculoskeletal system and selected applications to motor activity. Primarily for physical education majors but open to others with consent of instructor. Prerequisite: Zoology 115 and 116 or equivalent.
Daily 10:10-11:25

523 ADMINISTRATIVE PROBLEMS IN PHYSICAL EDUCATION (3) Chui
Current problems and recent trends in conducting physical education programs in public schools. For administrators, teachers, graduate students, and seniors in the fields of physical education. Prerequisite: consent of instructor.
Daily 8:00-9:55
July 31—August 25

Engineering

Civil (CE)

271 APPLIED MECHANICS II (3) Taoka
Dynamics of particles and rigid bodies, impulse-momentum, work-energy. Prerequisite: 170, Math 136.
Daily 8:45-10:00

274 MECHANICS OF MATERIALS II (3) Taoka
Inelastic behavior, unsymmetrical bending, curved beams, torsion, energy methods, buckling. Prerequisite: 273.
Daily 11:35-12:50

English (Eng)

101 EXPOSITORY WRITING (First Semester) (3) Staff
(3 sections)
Training in analysis of expository essays; introduction and practice of principal exposition procedures, including assertion, exemplification, definition, classification.
all students qualifying in university entrance examinations. (English 101 in the Summer Session is not recommended for students who have taken English 101 previously and received a grade of F.)

Daily (1) 7:20–8:35
(2) 8:45–10:00
(3) 10:10–11:35

102 EXPOSITORY WRITING (Second Semester) (3) Staff

(2 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. Prerequisite: 101. (English 102 in the Summer Session is not recommended for students who passed English 101 with a grade of D, or who have taken English 102 previously and received a grade of F.)

Daily (1) 8:45–10:00
(2) 10:10–11:25

151 MAJOR WORKS OF BRITISH AND AMERICAN LITERATURE (3) J. Conner

From 1800 to the present; an introductory course for sophomores.
Daily 10:10–11:25

153 WORLD LITERATURE: 1600 TO THE PRESENT (3) G. Peters

Major works of classical, Oriental, European, American, and English literature.
Daily 8:45–10:00

154 TYPES OF LITERATURE (3) D. deFano

Practical criticism in the major genres of European and American literature. Short story, novel, literary essay, introduction to poetry (narrative).
Daily 8:45–10:00

155 TYPES OF LITERATURE (3) J. Gurian

Practical criticism in the major genres of European and American literature. Drama, biography, poetry.
Daily 11:35–12:50

French (Fr)

102 ELEMENTARY FRENCH (4) Bastian, Valenti

(2 sections)
Continuation of 101. Two classes and two lab sessions required daily.
Laboratory No. 1 (Webster 303)

Daily (1) 8:00–9:00; 9:20–10:20 (Bastian) 7:30–7:50; 10:30–10:50
(2) 9:00–10:00; 10:20–11:20 (Valenti) 8:30–8:50; 11:30–11:50

152 INTERMEDIATE FRENCH (3) Douyere, Miller

(2 sections)
Continuation of 151. One class and two lab sessions required daily.
Laboratory No. 1 (Webster 303)

Daily (1) 10:00–11:25 (Douyere) 9:30–9:50; 11:30–11:50
(2) 10:00–11:25 (Miller) 9:30–9:50; 11:30–11:50

212 ADVANCED CONVERSATION AND COMPOSITION (3) Gray

Continuation of 211.
Daily 8:30–10:20
**Geography (Geog)**

**235 MAP AND AIRPHOTO INTERPRETATION (2)**  
D. Lai  
Map projections, topographic map reading, interpretation of physical and cultural features from maps and airphotos. Prerequisite: 101.  
Daily 8:45–10:00 (Lecture and Lab combined)

**455 ECONOMIC GEOGRAPHY AND LOCATION THEORY (3)**  
M. Beckmann  
Location theory as applied to agricultural, manufacturing, and tertiary activities and to urban systems. Prerequisite: 151, Economics 150–151, adequate math background.  
Daily 11:35–12:50

**553 GEOGRAPHY OF CHINA (3)**  
D. Lai  
Regional differences in land and life. Appraisal of agricultural and industrial development in terms of physical and human resources.  
Daily 11:35–12:50

**578 GEOGRAPHY OF HAWAII (3)**  
A. Pilianaia  
Regional, physical, and cultural geography. Detailed study of the people and resources.  
Daily 7:20–8:35

**German (Ger)**

**102 ELEMENTARY GERMAN (4)**  
(2 sections)  
Reichard, Brown  
Continuation of 101. Two classes and two lab sessions required daily.  
Laboratory No. 1 (Webster 303)  
Daily (1) 8:00–9:00; 9:20–10:20 (Reichard) 7:30–7:50; 10:30–10:50  
(2) 9:00–10:00; 10:20–11:20 (Brown) 8:30–8:50; 11:30–11:50

**152 INTERMEDIATE GERMAN (3)**  
Continuation of 151. Language lab practice required daily.  
Daily 10:00–11:50  
Laboratory No. 2 (Webster 302)

**Hawaiian (Haw)**

**102 ELEMENTARY HAWAIIAN (3)**  
F. Melnecke  
Continuation of 101; equivalent of second semester’s work in the academic year. Language lab practice required daily.  
Daily 11:35–12:50

**Hindi (Hindi)**

**102 ELEMENTARY HINDI (3)**  
J. Baumer  
Continuation of 101; equivalent of second semester’s work in the academic year. Language lab practice required daily.  
Laboratory No. 2 (Webster 302)  
Daily 11:35–12:50

**152 INTERMEDIATE GERMAN (3)**  
R. Boel  
Continuation of 151; equivalent of second semester’s work in the academic year. Language lab practice required daily.  
Laboratory No. 2 (Webster 302)  
Daily 2:35–3:50  
July 31–August 26
<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>151</td>
<td>WORLD CIVILIZATION (Hist)</td>
<td>Saville</td>
<td>Survey of the more significant political, social, economic, and intellectual factors in the</td>
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<tr>
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<td>development of civilization of the world from the ancient Middle East, Greece, and Rome in the</td>
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<td></td>
<td>West, and the ancient cultures of China, Japan, and India in the East to the 17th century.</td>
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<td>Daily 10:10–11:25</td>
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<tr>
<td>152</td>
<td>WORLD CIVILIZATION (Hist)</td>
<td>Daws</td>
<td>Continuation of the history of world civilization from the 17th century to the present.</td>
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<td>Daily 8:45–10:00</td>
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<tr>
<td>182</td>
<td>INTRODUCTION TO AMERICAN HISTORY (Hist)</td>
<td>D. Johnson</td>
<td>An interpretive survey of United States history from 1877 to the present.</td>
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<td>Daily 11:35–12:50</td>
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<tr>
<td>426</td>
<td>EUROPE SINCE VERSAILLES (Hist)</td>
<td>Saville</td>
<td>Problems of contemporary Europe and their historical background.</td>
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<td>Daily 9:10–10:00</td>
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<tr>
<td>464</td>
<td>HISTORY OF THE UNITED STATES, 1920 TO THE PRESENT (Hist)</td>
<td>Wish</td>
<td>Detailed political, economic, and social survey of the history of the American people,</td>
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<td>1920 to the present.</td>
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<td>Daily 10:10–11:25</td>
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<tr>
<td>532</td>
<td>HISTORY OF CHINA SINCE 1800 (Hist)</td>
<td>Mammitzsch</td>
<td>Response to Western culture; recent revolutionary changes.</td>
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<td>Daily 9:10–10:00</td>
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<tr>
<td>542</td>
<td>HISTORY OF JAPAN (Hist)</td>
<td>Mammitzsch</td>
<td>Historical survey of Japanese culture, government, economics, institutions. From 1600 to the</td>
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<tr>
<td></td>
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<td>present.</td>
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<td>Daily 10:10–11:00</td>
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<tr>
<td>Hist. 558</td>
<td>HISTORY OF THE MUSLIM MIDDLE EAST (Hist)</td>
<td>Gallagher</td>
<td>Survey of the history of Western Asia from the rise of Islam in the 7th century to modern</td>
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<td>times. Considerable emphasis will be put on the tensions between Islamic universalism and</td>
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<td><em>shu’ubiya</em>-type national sentiments, as reflected in the ‘Abbasid Caliphate, the Safavid</td>
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<td>state in Iran, and the Ottoman Empire, and on the relationship of these to the modern</td>
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<td>nationalisms which arose in the area during the 19th and 20th centuries.</td>
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<td>Daily 8:45–10:00</td>
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<tr>
<td>575</td>
<td>THE UNITED STATES IN THE PACIFIC (Hist)</td>
<td>D. Johnson</td>
<td>Growth of economic and political interests and policies in the Pacific area.</td>
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<td>Interchangeable credit: Asian, Pacific, or American.</td>
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<td>Daily 10:35–11:25</td>
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<tr>
<td>637</td>
<td>THE PROGRESSIVE PERIOD IN AMERICAN HISTORY (Hist)</td>
<td>Margulies</td>
<td>Research in problems relating to the rise, character, and decline of the Progressive Movement,</td>
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<td>1872 to 1924.</td>
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<td>Hrs. arr.</td>
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<tr>
<td>712</td>
<td>SEMINAR IN HISTORIOGRAPHY (Hist)</td>
<td>Wish</td>
<td>The history of history and historians.</td>
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<td>Hrs. arr.</td>
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</tbody>
</table>
Home Economics (HE)

502 HOME ECONOMICS CURRICULUM (3) Tripple
Home economics content for secondary education. Contemporary programming and resources for teaching.
Daily 8:30–11:15
July 31–August 18

550 FAMILY HOUSING PROBLEMS (3) Bates
Housing requirements of families. Social and economic factors; effective use of space and maintenance.
Daily 1:30–4:15
July 31–August 18

Indonesian (Ind)

112 INTENSIVE INTERMEDIATE INDONESIAN (6) D. de Queljee
Intensive course equivalent to Intermediate Indonesian in the 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 9:30–12:30; 2:00–4:00 Laboratory No. 2 (Webster 302)

227 ACCELERATED THIRD-LEVEL INDONESIAN (6) R. S. Roosman
Accelerated course equivalent to Third-Level Indonesian in the academic year. Includes the four basic skills: listening, speaking, reading, and writing. In addition to 15 hours of class work per week during 6 weeks, two periods of laboratory drill daily required.
Daily 10:10–11:25; 1:10–2:25 Laboratory No. 2 (Webster 302)

Japanese (Jap)

106 ELEMENTARY JAPANESE—REVIEW (3) Staff
(2 sections)
Continuation of 105. One class and two lab sessions required daily.
Laboratory No. 1 (Webster 303)
Daily
(1) 8:00–9:50 7:30–7:50; 10:30–10:50
(2) 8:00–9:50 7:30–7:50; 10:30–10:50

112 INTENSIVE INTERMEDIATE JAPANESE (6) Staff
(5 sections)
Intensive course equivalent to Intermediate Japanese in the 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.
Laboratory No. 1 (Webster 303)
Daily
(1) 8:30–11:30; 1:00–3:00 8:00–8:20; 12:30–12:50
(2) 8:30–11:30; 1:00–3:00 8:00–8:20; 12:30–12:50
(3) 8:30–11:30; 1:00–3:00 8:00–8:20; 12:30–12:50
(4) 8:30–11:30; 1:00–3:00 8:00–8:20; 12:30–12:50
(5) 8:30–11:30; 1:00–3:00 8:00–8:20; 12:30–12:50

162 INTERMEDIATE JAPANESE (4) Staff
(2 sections)
Continuation of 161. Language lab practice required daily.
Daily
(1) 9:30–11:50 Laboratory No. 2 (Webster 302)
(2) 9:30–11:50
212 THIRD-LEVEL JAPANESE (3)  
(2 sections)  
Continuation of 211. Prerequisite: 162 or equivalent.  
Daily (1) 10:10–11:25  
(2) 10:10–11:25

252 JAPANESE FOR READING KNOWLEDGE (3)  
Continuation of 251.  
Daily 2:35–3:50

402 JAPANESE LITERATURE IN ENGLISH (2)  
Uyehara  
Continuation of 401. Prerequisite: two semesters of literature in English department.  
Daily 1:35–2:25

418 FOURTH-LEVEL JAPANESE (3)  
Staff  
Continuation of 417.  
Daily 2:30–3:50

612 CONTEMPORARY JAPANESE LITERATURE (3)  
Staff  
Continuation of 611.  
Daily 2:35–3:50

Korean (Kor)

112 INTENSIVE INTERMEDIATE KOREAN (6)  
Staff  
Intensive course equivalent to Intermediate Korean in the 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 8:30–11:30; 1:00–3:00 Laboratory No. 2 (Webster 302)

227 ACCELERATED THIRD-LEVEL KOREAN (6)  
Y. S. Lee  
Accelerated course equivalent to Third-Level Korean in the academic year. Includes the four basic skills: listening, speaking, reading, and writing. In addition to 15 hours of class work per week during 6 weeks, two periods of laboratory drills required daily.  
Daily 10:10–11:25; 1:10–2:25 Laboratory No. 2 (Webster 302)

Linguistics (Ling)

202 GENERAL LINGUISTICS (3)  
Hess  
Nature and workings of language, and its role in culture and history.  
Daily 10:10–11:25

Mathematics (Math)

100 SURVEY OF MATHEMATICS (3)  
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 8:45–10:00

111 INTRODUCTION TO MATHEMATICS (3)  
Study of structure and concepts of arithmetic. (Primarily for Education majors.)  
Daily 8:45–10:00
136 CALCULUS II (4)
Exponential, logarithmic, trigonometric, and hyperbolic functions; techniques of integration; vectors; three-dimensional space; multiple integration. Prerequisite: 135 or equivalent.
Daily 7:20-8:35
Laboratory TF 10:10-12:10

232 ORDINARY DIFFERENTIAL EQUATIONS (3)
Theory and application of ordinary differential equations. Prerequisite: 231.
Daily 7:20-8:35

402 PARTIAL DIFFERENTIAL EQUATIONS (3)
Theory and application of partial differential equations. Prerequisite: 232.
Daily 8:45-10:00

412 ABSTRACT ALGEBRA (3)
Introduction to basic algebraic structures including groups, rings, and fields. Prerequisite: 311.
Daily 11:35-12:50

Music (Mus)

150 ELEMENTARY MUSICIANSHIP (3) Greenberg
Terminology, notation, sight singing, rhythmic and melodic dictation, and ukulele instruction. For prospective teachers. Not open to those who have had 140.
Daily 10:10-11:25

160 INTRODUCTION TO MUSIC LITERATURE (3) Herand
Orchestral literature from the classical through the modern period. From the listener’s point of view.
Daily 8:45-10:00

452(42) ADVANCED WOODWIND METHODS: OBOE (2) Alexander
Advanced playing, teaching technique, and materials of woodwind instruments. Concentration on oboe. Prerequisite: 153.
Daily 10:10-11:10
August 1-31

452(43) ADVANCED WOODWIND METHODS: CLARINET (2) Miyamura
Advanced playing, teaching technique, and materials of woodwind instruments. Concentration on clarinet. Prerequisite: 153.
Daily 9:00-10:00
August 1-31

Philosophy (Phil)

100 INTRODUCTION TO PHILOSOPHY (3) Winnie
Problems, methods, and fields of philosophy.
Daily 8:45-10:00

200 LOGIC (3) Winnie
Principles of modern deductive logic.
Daily 10:10-11:25
Political Science (PolSc)

215 TOPICS IN AMERICAN GOVERNMENT (3)  M. Meriwether
Topics may include American legislative process and American civil liberties, as pre-announced.
Daily 8:45–10:00

301 POLITICAL THOUGHT CORE (3)  D. Tabb
Consideration of major elements of political theory.
Daily 8:45–10:00

335 TOPICS IN POLITICS (3)  D. Tabb
Topics may include campaigns and elections, propaganda and public opinion, and community politics, as pre-announced.
Daily 11:35–12:50

365 TOPICS IN COURT AND POLITICS (3)  R. Richardson
Topics may include cases concerned with due process of law, interstate commerce, etc., and administrative law, as pre-announced.
Daily 8:45–10:00

631 INTERNATIONAL RELATIONS OF ASIA (3)  O. Lee
At least one section a semester on international relations of all or parts of Asia.
Daily 10:10–11:25

660 PUBLIC LAW AND JUDICIAL SYSTEMS (3)  R. Richardson
At least one section a year surveying the literature on interaction of judicial and political systems.
Daily 11:35–12:50

670 POLITICS (3)  M. Meriwether
At least one section a year surveying the literature on the study of politics and political interaction.
Daily 11:35–12:50

Psychology (Psy)

100 SURVEY OF PSYCHOLOGY (3)  Staff
Principles of human behavior. Individual differences, motivation, emotion, perception, learning, etc. Not open to those who have had 200; intended for non-majors.
Daily 8:45–10:00

Public Health (PH)

699 DIRECTED RESEARCH
Hrs. arr.

710 ADVANCED PUBLIC HEALTH PRACTICE (3)

800 THESIS RESEARCH
Hrs. arr.
Russian (Rus)

102 ELEMENTARY RUSSIAN (4) Keller
Continuation of 101. Language lab practice required daily.
Daily 8:30-10:40 Laboratory No. 2 (Webster 302)

152 INTERMEDIATE RUSSIAN (3)
Continuation of 151. Language lab practice required daily.
Daily 12:00-1:50 Laboratory No. 2 (Webster 302)

Sanskrit (Sansk)

102 ELEMENTARY SANSKRIT (3) G. Artola
Continuation of 101; equivalent of second semester's work in the academic year.
Daily 1:10-2:25

152 INTERMEDIATE SANSKRIT (3) G. Artola
Continuation of 151; equivalent of second semester's work in the academic year.
Daily 3:10-5:00

Sociology (Soc)

S 151 INTRODUCTION TO THE STUDY OF SOCIETY (3) Pryor
Basic social relationships, norms, social structures, and processes affecting social change. Not open to juniors or seniors.
Daily 8:45-10:00

S 201 PRINCIPLES OF SOCIOLOGY (3) Katz
Principles underlying the 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 11:35-12:50

S 300 SOCIAL DISORGANIZATION (3) Katz
Factors in community, institution, and group disorganization; behavioral deviancy and social pathology. An integrated approach to social problems.
Daily 8:45-10:00

S 410 POPULATION AND SOCIETY (3) Pryor
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

Spanish (Span)

102 ELEMENTARY SPANISH (4) Varela-Sotura, Blackman, E. Brady
(3 sections)
Continuation of 101. Two classes and two lab sessions required daily.
Daily Laboratory No. 1 (Webster 303)
(1) 7:30- 8:30; 8:50- 9:50 (Varela-Sotura) 7:00-7:20; 10:00-10:20
(2) 9:30-10:30; 10:50-11:50 (E. Brady) 9:00-9:20; 12:00-12:20
(3) 9:30-10:30; 10:50-11:50 (Blackman) 9:00-9:20; 12:00-12:20
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Description</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>152</td>
<td>Intermediate Spanish (3)</td>
<td>Knowlton, J. Bocsi</td>
<td>3</td>
<td>Continuation of 151. One class and two lab sessions required daily.</td>
<td>Daily (1) 9:30-10:55 (Knowlton) 9:00-9:20; 11:00-11:20</td>
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<td>Laboratorv No. 1 (Webster 303)</td>
<td>(2) 9:30-10:55 (Bocsi) 9:00-9:20; 11:00-11:20</td>
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<tr>
<td>204</td>
<td>Advanced Grammar and Composition (3)</td>
<td>Scott</td>
<td>3</td>
<td>Continuation of 203</td>
<td>Daily 10:00-11:30</td>
</tr>
<tr>
<td>480</td>
<td>Spanish-American Novel (3)</td>
<td>Ayora</td>
<td>3</td>
<td>Reading and discussion of important Spanish-American prose writers.</td>
<td>Daily 10:00-11:15</td>
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<tr>
<td>Speech (Sp)</td>
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<tr>
<td>110</td>
<td>Introduction to General American Phonology (2)</td>
<td>L. Watson</td>
<td>2</td>
<td>Introduction to phonology of general American speech; articulatory, rhythmic, and melodic differences between general American and Hawaii's sub-standard dialect. Conferences required.</td>
<td>Daily 7:45-8:35</td>
</tr>
<tr>
<td>145</td>
<td>Expository and Persuasive Speaking (3)</td>
<td>Staff</td>
<td>3</td>
<td>Practice in systematic analysis of expository and persuasive ideas with instruction in their preparation for public discourse. Prerequisite: Permission from Speech Communication Center.</td>
<td>10 sections</td>
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<td>Daily (1) 7:20-8:35 (6) 10:10-11:25</td>
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<td>(2) 7:20-8:35 (7) 11:35-12:50</td>
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<td>(3) 8:45-10:00 (8) 11:35-12:50</td>
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<td>(4) 8:45-10:00 (9) 1:10-2:25</td>
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<td>(5) 10:10-11:25 (10) 1:10-2:25</td>
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<tr>
<td>250</td>
<td>Public Speaking (3)</td>
<td>G. Anderson</td>
<td>3</td>
<td>Principles of oral composition and delivery with attention to the texts of British and American speeches. Prerequisite: sophomore standing.</td>
<td>Daily 8:45-10:00</td>
</tr>
<tr>
<td>365</td>
<td>Speech for the Classroom Teacher (3)</td>
<td>Watson, Anderson</td>
<td>3</td>
<td>Pedagogy for the classroom teacher. Integration of speech improvement in the curriculum; speech problems of Hawaii. Prerequisite: (for elementary sections) 110.</td>
<td>2 sections</td>
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<td>Daily (1) Elem. 8:45-10:00 (Watson)</td>
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<td>(2) Sec. 10:10-11:25 (Anderson)</td>
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<td>598</td>
<td>Special Problems (arr.)</td>
<td>Staff</td>
<td>3</td>
<td>(1) General speech education; (2) speech correction; (3) phonetics; (4) interpretation; (5) forensics, public address; (6) radio; (7) pedagogy; (8) audiology; (9) speech and hearing science. Prerequisite: permission of chairman and instructor.</td>
<td>2 sections</td>
</tr>
<tr>
<td>660</td>
<td>General Seminar (3) (arr.)</td>
<td>Schiefelbusch</td>
<td>3</td>
<td>Significant topics and problems in speech. May be repeated.</td>
<td></td>
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<tr>
<td>670</td>
<td>Seminar in Broadcast Program Criticism and Social Effects (3)</td>
<td>H. Cordier</td>
<td>3</td>
<td>Advanced study in history, theory, and development of programming; critical analysis of social effects; research literature and original research projects. Hrs. arr.</td>
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</table>
Speech Pathology and Audiology (SPA)

610 ADVANCED PRACTICUM IN SPEECH PATHOLOGY (1–3) Ritter
Clinical practice in diagnostic and therapeutic procedures; emphasis placed upon complex problems such as delayed speech, language problems, aphasia, stuttering.
Hrs. arr.

630 INTRODUCTION TO GRADUATE STUDY (3) Ritter
Research methods applicable to the field of speech pathology and audiology; analysis and reporting of data; bibliography; contemporary research.
Hrs. arr.

Tagalog (Tag)

112 INTENSIVE INTERMEDIATE TAGALOG (6) Staff
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 6 weeks, two periods of laboratory drills required daily.
Daily 8:30–11:30; 1:00–3:00 Laboratory No. 2 (Webster 302)

Thai (Thai)

112 INTENSIVE INTERMEDIATE TAGALOG (6) Staff
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 for 6 weeks, two periods of laboratory drill daily required.
Daily 9:30–12:30; 2:00–4:00 Laboratory No. 2 (Webster 302)

227 ACCELERATED THIRD-LEVEL THAI (6) Staff
Accelerated course equivalent to Third-Level Thai in the academic year. Includes the four basic skills: listening, speaking, reading, and writing. In addition to 15 hours of class work per week during 6 weeks, two periods of laboratory drills required daily.
Daily 10:10–11:25; 1:10–2:25 Laboratory No. 2 (Webster 302)

Vietnamese (Viet)

112 INTENSIVE INTERMEDIATE VIETNAMESE (6) Staff
Intensive course equivalent to Intermediate Vietnamese (AP 161-162) in the academic year. Includes the four basic skills: listening, speaking, reading, and writing. In addition to 25 hours of class work for 6 weeks, two periods of laboratory drills required daily.
Daily 9:30–12:30; 2:00–4:00 Laboratory No. 2 (Webster 302)
Art 111 DRAWING (2) Knox
Basic principles of drawing in variety of media. This course or its equivalent is prerequisite to all advanced studio courses.

Bot 260 IDENTIFICATION OF TROPICAL PLANTS (2) Baldwin
Non-technical course in identification of common plants of the tropics. Not open to students who have had 360; not credited for the botany major.

Chem 445 INTERMEDIATE ORGANIC CHEMISTRY (4) Dority
Modern synthetic methods. Prerequisite: 144.

Econ 150 PRINCIPLES OF ECONOMICS (3) Jeong
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.

Econ 151 PRINCIPLES OF ECONOMICS (3) Jeong
Analysis of how commodity and factor prices are determined. Discusses policies for efficient allocation of scarce resources. Required of all economic majors.

Ed CI 326 CREATIVE ART, ELEMENTARY (2) Knox
Understanding scope and importance of art in the elementary school curriculum, and creative use of art media through laboratory experiences. Prerequisite: CI 341, Art 101.

Ed EP 701 SEMINAR IN GUIDANCE (3) Glanz
Current issues and problems. (1) General, (2) testing, (3) counseling, (4) vocational, (5) elementary school, (6) administration, (7) group procedures. Prerequisite: 8 credits in guidance courses.

Ed EP 601 GUIDANCE IN THE SCHOOL (3) Glanz
Basic principles of guidance; consideration of techniques, organization, materials, resources.

Ed EP 702 GROUP GUIDANCE (3) Glanz
Principles, practices, materials, and techniques used in group guidance in schools. Prerequisite: 601.

Eng 101 EXPOSITORY WRITING (3) Staff
Training in analysis of expository essays; discussion and practice of important rhetorical procedures, including exemplification, definition, classification, comparison, practice in designing and controlling development of paragraphs and essays. 101-102 or 105 is prerequisite to all sophomore literature courses.

Eng 102 EXPOSITORY WRITING (3) Staff
Practice in reasoning and argument; introduction to study of language and usage; practice in adjusting style (diction, idiom, sentence structure) to rhetorical purpose. 101-102 or 105 is prerequisite to all sophomore literature courses.

Eng 150 MAJOR WORKS OF BRITISH AND AMERICAN LITERATURE (3) Staff
Middle Ages to 1800. This course or 152-153 or 154-155 is prerequisite to all advanced courses in English.
Eng 215 ADVANCED EXPOSITORY WRITING (3) Staff
Writing of essays from logical and rhetorical principles, especially modes of definition, assertion, and proof. Emphasis on clarity, coherence, and style.

Eng 573 AMERICAN LITERATURE AND CULTURAL HISTORY (3) McCleary
Studies in the relations of American literature to American culture. Prerequisite: 571 or the equivalent. May be repeated for credit.

Ger 101 ELEMENTARY GERMAN (3) Mathey
Conversation, laboratory drill, grammar, reading.

Hist 151 WORLD CIVILIZATION (3) Frankel
Development of civilization from the ancient Orient and classical Greece and Rome to the present; emphasis on Western civilizations. Prerequisite for advanced courses. (Freshmen and Sophomores only.)

Hist 152 WORLD CIVILIZATION (3) Staff
Development of civilization from the ancient Orient and classical Greece and Rome to the present; emphasis on Western civilization. Prerequisite for advanced courses. (Freshmen and Sophomores only.)

Hist 181 INTRODUCTION TO AMERICAN HISTORY (3) Warsh
Interpretive survey of United States history from the earliest settlements to the present.

Hist 452 HISTORY OF RUSSIA (3) Smuck
Survey of the development of Russian thought and institutions, and of territorial expansion. Impact of revolutionary changes.

Hist 513 HISTORY OF CONTEMPORARY LATIN AMERICA (3) Frankel
The revolution of rising expectations as an indication of the social, economic, and political developments in Latin America during the 20th century. Latin America’s role in the ideological struggle between the Communist and the non-Communist world.

HPE 103 SWIMMING: BEGINNING (1) Goya
Adjusting to water, immersing in water, floating, sculling; correct arm stroke, leg kick, breathing techniques and their coordination.

HPE 107 TENNIS: BEGINNING (1) Goya
Rules, etiquette, grip, forehand and backhand strokes, serving, volleying, and singles and doubles play.

HPE 115 BOWLING (1) Goya
Rules, etiquette, arm swing, approach, execution, scoring, spare pickups. Class participation at bowling alley requires additional bowling fees.

HPE 120 BADMINTON (1) Goya
Rules, etiquette, grip, forehand and backhand strokes, serving, smash, drive, net play, offensive and defensive strategy in singles and doubles play.

HPE 190 MODERN HEALTH: PERSONAL (1) H. Hamai
Mental-emotional health, family-living, and scientific health information as a basis for personal hygienic living.

HPE 233 PHYSICAL EDUCATION: ELEMENTARY (3) Hamai
Content and methods for physical education in the elementary school with emphasis on selection, planning, teaching, and evaluation of movement exploration and physical activities.
Micro 130  MICROBES AND MAN (2)  K. Noda
Microorganisms as they affect people and their possessions. Not open to those who have credit in 151.

Ocean 201  SCIENCE OF THE SEA (3)  Little
Introduction to biological, geological, chemical, and physical aspects of oceanography. Based on classroom lectures and the use of oceanographic equipment and techniques at sea aboard ship and in the near-shore zone.

Phil 100  INTRODUCTION TO PHILOSOPHY (3)  R. McCleary
Problems, methods, and fields of philosophy.

Pol Sci 110  INTRODUCTION TO POLITICAL SCIENCE (3)  Markey
Introduction to political problems, systems, ideologies, and processes.

Psy 350  DEVELOPMENTAL PSYCHOLOGY (3)  Ushijima
Emotional, mental, physical, social development from infancy to adulthood; interests and abilities at different age levels. Prerequisite: 100 or 200.

Psy 600(12)  SEMINAR: LEARNING (3)  Dixon

Soc 151  INTRODUCTION TO THE STUDY OF SOCIETY (3)  Yanagisako
Basic social relationships, norms, social structures, and processes affecting social change. Not open to juniors or seniors.

Soc 324  PERSONALITY AND CULTURE (3)  Yanagisako
Origin and development of personality as the subjective aspect of culture; function of communication; human nature and the mores; personal life organization.

Sp 145  EXPOSITORY AND PERSUASIVE SPEAKING (3)  Hicks
Practice in systematic analysis of expository and suasive ideas with instruction in their preparation for public discourse. Weekly lectures. Prerequisite: permission from Speech Communication Center.
UNIVERSITY OF HAWAI'I SUMMER SESSION
HONOLULU, HAWAI'I

The following may submit this form in lieu of official transcripts when the information in item 4 below is certified by official signature and the institution's seal:

1. College graduates.
2. Students in attendance at other collegiate institutions.
3. Students who have been accepted for admission by other collegiate institutions and who expect to attend the University of Hawaii during the Summer Session only.

This form should include all work done through the first semester of the current academic year.

Individuals from institutions which do not issue statements of good standing should complete items 1, 2, and 3 below and return this form to the Office of Admissions and Records. They should also request that official transcripts of their collegiate work be sent directly to the Office of Admissions and Records. Other persons, including high school graduates entering college for the first time, should write to the Director, Office of Admissions and Records, University of Hawaii, for information on admission procedures.

Date

Director, Office of Admissions and Records
University of Hawaii
2444 Dole Street
Honolulu, Hawaii 96822

1. ........................................................................................................
   Name of Student

2. ........................................................................................................
   Home address  City  State  ZIP

3. ........................................................................................................
   School address  City  State  ZIP

4. It is hereby certified that the above student:
   .......has been accepted for admission to this institution.
   .......is a student in good standing at this institution.
   .......is a student on probation, but is eligible for continued registration.
   .......is a graduate of this institution and was granted the ............... degree in 19.........
   .......is a teacher in this school district and was granted the ............... degree by ........................................ in 19.........

   College or University

   Signed: .................................................................
   Registrar or Dean or Superintendent

   .................................................................
   College or University or School District

   .................................................................
   City and State

   Seal of Institution

   Date: .................................................................