### 1974 SUMMER CALENDAR

<table>
<thead>
<tr>
<th>MAY</th>
<th>JUNE</th>
</tr>
</thead>
<tbody>
<tr>
<td>S M T W T F S</td>
<td>S M T W T F S</td>
</tr>
<tr>
<td>1 2 3 4 5 6 7 8 9 10 11</td>
<td>1 2 3 4 5 6 7 8 9 10 11</td>
</tr>
<tr>
<td>12 13 14 15 16 17 18</td>
<td>16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31</td>
</tr>
<tr>
<td>19 20 21 22 23 24 25 26 27 28 29 30 31</td>
<td>23 24 25 26 27 28 29 30 31</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>JULY</th>
<th>AUGUST</th>
</tr>
</thead>
<tbody>
<tr>
<td>S M T W T F S</td>
<td>S M T W T F S</td>
</tr>
<tr>
<td>1 2 3 4 5 6 7 8 9 10 11 12 13</td>
<td>1 2 3 4 5 6 7 8 9 10 11 12 13</td>
</tr>
<tr>
<td>21 22 23 24 25 26 27</td>
<td>18 19 20 21 22 23 24</td>
</tr>
<tr>
<td>28 29 30 31</td>
<td>25 26 27 28 29 30 31</td>
</tr>
</tbody>
</table>

### FIRST TERM (MAY 28-JULY 5)

- May 20—May 24 .................................. Registration
- May 28, Tuesday ................................. Instruction begins
- May 31, Friday ................................. Last day to register for credit and last day to withdraw from courses
- June 11, Tuesday ............................... Holiday (Kamehameha Day)
- July 4, Thursday ............................... Holiday (Independence Day)
- July 5, Friday ................................. First term ends

### SECOND TERM (JULY 8-AUGUST 15)

- July 8—July 5 .................................. Registration
- July 8, Monday ................................. Instruction begins
- July 12, Friday ................................. Last day to register for credit and last day to withdraw from courses
- August 4, Sunday .............................. Summer Commencement
- August 15, Thursday ........................... Second term ends

*Withdrawal after these dates would be allowed only with the written permission of the instructor of each course.
# Contents

<table>
<thead>
<tr>
<th>Course Area</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAMPUS MAP</td>
<td>4-5</td>
</tr>
<tr>
<td>ADMINISTRATION AND FACULTY</td>
<td></td>
</tr>
<tr>
<td>University, Manoa, College Deans, Summer Session</td>
<td>6</td>
</tr>
<tr>
<td>Resident Summer Faculty</td>
<td>7</td>
</tr>
<tr>
<td>Visiting Summer Faculty</td>
<td>13</td>
</tr>
<tr>
<td>THE UNIVERSITY OF HAWAI I</td>
<td>15</td>
</tr>
<tr>
<td>THE SUMMER SESSION</td>
<td></td>
</tr>
<tr>
<td>Summer Session Registration</td>
<td>17</td>
</tr>
<tr>
<td>Summer Session Notes</td>
<td>19</td>
</tr>
<tr>
<td>Extracurricular Activities</td>
<td>20</td>
</tr>
<tr>
<td>Housing Information</td>
<td>21</td>
</tr>
<tr>
<td>Additional Information</td>
<td>22</td>
</tr>
<tr>
<td>COURSES OFFERED—FIRST, SECOND TERMS</td>
<td>24</td>
</tr>
<tr>
<td>Agriculture, Tropical</td>
<td></td>
</tr>
<tr>
<td>Agriculture</td>
<td>25</td>
</tr>
<tr>
<td>Agricultural Economics</td>
<td>25</td>
</tr>
<tr>
<td>Agricultural Engineering</td>
<td>25</td>
</tr>
<tr>
<td>Agronomy</td>
<td>25</td>
</tr>
<tr>
<td>Animal Sciences</td>
<td>25</td>
</tr>
<tr>
<td>Entomology</td>
<td>26</td>
</tr>
<tr>
<td>Food Science and Technology</td>
<td>26</td>
</tr>
<tr>
<td>Horticulture</td>
<td>26</td>
</tr>
<tr>
<td>Plant Pathology</td>
<td>26</td>
</tr>
<tr>
<td>Soil Science</td>
<td>26</td>
</tr>
<tr>
<td>American Studies</td>
<td>27</td>
</tr>
<tr>
<td>Anatomy</td>
<td>27</td>
</tr>
<tr>
<td>Anthropology</td>
<td>28</td>
</tr>
<tr>
<td>Art</td>
<td>28</td>
</tr>
<tr>
<td>Asian Studies</td>
<td>30</td>
</tr>
<tr>
<td>Biochemistry</td>
<td>30</td>
</tr>
<tr>
<td>Biophysics</td>
<td>31</td>
</tr>
<tr>
<td>Botany</td>
<td>31</td>
</tr>
<tr>
<td>Business Administration</td>
<td></td>
</tr>
<tr>
<td>Accounting</td>
<td>31</td>
</tr>
<tr>
<td>Business</td>
<td>32</td>
</tr>
<tr>
<td>Business Analysis and Statistics</td>
<td>32</td>
</tr>
<tr>
<td>Business Economics</td>
<td>34</td>
</tr>
<tr>
<td>Business Law</td>
<td>34</td>
</tr>
<tr>
<td>Finance</td>
<td>34</td>
</tr>
<tr>
<td>Management</td>
<td>35</td>
</tr>
<tr>
<td>Marketing</td>
<td>35</td>
</tr>
<tr>
<td>Personnel and Industrial Relations</td>
<td>35</td>
</tr>
<tr>
<td>Real Estate</td>
<td>36</td>
</tr>
<tr>
<td>Travel Industry Management</td>
<td>36</td>
</tr>
<tr>
<td>Chemistry</td>
<td></td>
</tr>
<tr>
<td>Communication</td>
<td>37</td>
</tr>
<tr>
<td>Communication</td>
<td>37</td>
</tr>
<tr>
<td>Speech-Communication</td>
<td>37</td>
</tr>
<tr>
<td>Drama and Theatre</td>
<td>37</td>
</tr>
<tr>
<td>East Asian Languages</td>
<td></td>
</tr>
<tr>
<td>Chinese</td>
<td>38</td>
</tr>
<tr>
<td>Japanese</td>
<td>39</td>
</tr>
<tr>
<td>East Asian Literature</td>
<td></td>
</tr>
<tr>
<td>Chinese</td>
<td>39</td>
</tr>
<tr>
<td>Economics</td>
<td>40</td>
</tr>
<tr>
<td>Education</td>
<td></td>
</tr>
<tr>
<td>Curriculum and Instruction</td>
<td>40</td>
</tr>
<tr>
<td>Industrial Education</td>
<td>42</td>
</tr>
<tr>
<td>Educational Administration</td>
<td>43</td>
</tr>
<tr>
<td>Educational Administration</td>
<td>43</td>
</tr>
<tr>
<td>Educational Communications</td>
<td>43</td>
</tr>
<tr>
<td>Educational Foundations</td>
<td>43</td>
</tr>
<tr>
<td>Educational Psychology</td>
<td>44</td>
</tr>
<tr>
<td>Health and Physical Education</td>
<td>45</td>
</tr>
<tr>
<td>Special Education</td>
<td>46</td>
</tr>
<tr>
<td>Engineering</td>
<td></td>
</tr>
<tr>
<td>Civil Engineering</td>
<td>47</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Area</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrical Engineering</td>
<td>47</td>
</tr>
<tr>
<td>General Engineering</td>
<td>47</td>
</tr>
<tr>
<td>Mechanical Engineering</td>
<td>47</td>
</tr>
<tr>
<td>Ocean Engineering</td>
<td>48</td>
</tr>
<tr>
<td>English</td>
<td>48</td>
</tr>
<tr>
<td>English Language Institute</td>
<td>50</td>
</tr>
<tr>
<td>English as a Second Language</td>
<td>50</td>
</tr>
<tr>
<td>European Languages and Literature</td>
<td></td>
</tr>
<tr>
<td>General</td>
<td>51</td>
</tr>
<tr>
<td>French</td>
<td>51</td>
</tr>
<tr>
<td>German</td>
<td>51</td>
</tr>
<tr>
<td>Latin</td>
<td>51</td>
</tr>
<tr>
<td>Russian</td>
<td>51</td>
</tr>
<tr>
<td>Spanish</td>
<td>52</td>
</tr>
<tr>
<td>Genetics</td>
<td>52</td>
</tr>
<tr>
<td>Geography</td>
<td>52</td>
</tr>
<tr>
<td>Genomics and Geophysics</td>
<td>53</td>
</tr>
<tr>
<td>History</td>
<td>53</td>
</tr>
<tr>
<td>Honors Program</td>
<td></td>
</tr>
<tr>
<td>Honors Courses</td>
<td>54</td>
</tr>
<tr>
<td>Interdisciplinary Studies</td>
<td>54</td>
</tr>
<tr>
<td>Human Resources Development</td>
<td></td>
</tr>
<tr>
<td>Human Resources and Merchandising</td>
<td>55</td>
</tr>
<tr>
<td>Food and Nutritional Sciences</td>
<td>55</td>
</tr>
<tr>
<td>Home Economics</td>
<td>55</td>
</tr>
<tr>
<td>Human Development</td>
<td>55</td>
</tr>
<tr>
<td>Indo-Pacific Languages</td>
<td></td>
</tr>
<tr>
<td>General</td>
<td>56</td>
</tr>
<tr>
<td>Burmese</td>
<td>56</td>
</tr>
<tr>
<td>Hawaiian</td>
<td>56</td>
</tr>
<tr>
<td>Ilokano</td>
<td>56</td>
</tr>
<tr>
<td>Indonesian</td>
<td>56</td>
</tr>
<tr>
<td>Lao</td>
<td>56</td>
</tr>
<tr>
<td>Samoan</td>
<td>56</td>
</tr>
<tr>
<td>Tagalog</td>
<td>57</td>
</tr>
<tr>
<td>Tahitian</td>
<td>57</td>
</tr>
<tr>
<td>Thai</td>
<td>57</td>
</tr>
<tr>
<td>Vietnamese</td>
<td>57</td>
</tr>
<tr>
<td>Information Sciences</td>
<td></td>
</tr>
<tr>
<td>Library Studies</td>
<td>58</td>
</tr>
<tr>
<td>Linguistics</td>
<td>59</td>
</tr>
<tr>
<td>Mathematics</td>
<td>60</td>
</tr>
<tr>
<td>Medical Technology</td>
<td>61</td>
</tr>
<tr>
<td>Meteorology</td>
<td>61</td>
</tr>
<tr>
<td>Microbiology</td>
<td>61</td>
</tr>
<tr>
<td>Music</td>
<td>61</td>
</tr>
<tr>
<td>Nursing</td>
<td>63</td>
</tr>
<tr>
<td>Oceanography</td>
<td>63</td>
</tr>
<tr>
<td>Pacific Islands Program</td>
<td>63</td>
</tr>
<tr>
<td>Pharmacology</td>
<td>64</td>
</tr>
<tr>
<td>Philosophy</td>
<td>64</td>
</tr>
<tr>
<td>Physics</td>
<td>64</td>
</tr>
<tr>
<td>Physiology</td>
<td>65</td>
</tr>
<tr>
<td>Political Science</td>
<td>65</td>
</tr>
<tr>
<td>Psychology</td>
<td>67</td>
</tr>
<tr>
<td>Public Health</td>
<td>69</td>
</tr>
<tr>
<td>Religion</td>
<td>70</td>
</tr>
<tr>
<td>Social Work</td>
<td>70</td>
</tr>
<tr>
<td>Sociology</td>
<td>71</td>
</tr>
<tr>
<td>Speech</td>
<td>73</td>
</tr>
<tr>
<td>Speech Pathology and Audiology</td>
<td>73</td>
</tr>
<tr>
<td>Zoology</td>
<td>74</td>
</tr>
<tr>
<td>Off-Campus Courses</td>
<td>76</td>
</tr>
</tbody>
</table>
UNIVERSITY

Harlan Cleveland, A.B., L.L.D., L.H.D., D.C.L., Litt. D., President
Richard H. Kosaki, Ph.D., Vice-President for Academic Affairs
Fujiio Matsuda, Sc.D., Vice-President for Business Affairs
Kenneth K. Lau, L.L.M., Secretary of the University
Roy Y. Takeyama, L.L.B., Secretary of the Board of Regents

MANOA

Wytze Gorter, Ph.D., Chancellor
Sumie McCabe, M.A., Special Assistant to Chancellor
Douglas Yamamura, Ph.D., Vice-Chancellor, Academic Affairs
Geoffrey Ashton, Ph.D., Assistant Vice-Chancellor, Faculty Affairs
Beatrice Yamasaki, Ph.D., Assistant Vice-Chancellor, Academic Programs
Keith S. Snyder, B.A., Vice-Chancellor for Administration

COLLEGE DEANS

David E. Contois, Ph.D., College of Arts and Sciences
Ralph C. Hook, Jr., Ph.D., College of Business Administration
Edward M. Barnet, Ph.D., School of Travel Industry Management
Walter Nukokawa, Ph.D., College of Continuing Education and Community Service
Hubert V. Everly, Ph.D., College of Education
John W. Shupe, Ph.D., College of Engineering
Howard P. McKaughan, Ph.D., Graduate Division
College of Health Sciences and Social Welfare:
  Terence A. Rogers, Ph.D., School of Medicine
  Edith H. Anderson, Ph.D., School of Nursing
  Jerrold M. Michael (Acting), M.P.H., School of Public Health
  Herbert H. Apteke, D.S.W., School of Social Work
Robert D. Stevens, Ph.D., Graduate School of Library Studies
C. Pearis Wilson, Ph.D., College of Tropical Agriculture

SUMMER SESSION*

Robert K. Sakai, Ph.D., Dean
Takeshi Moriwaki, Ph.D., Assistant Dean
Summer Session Curriculum Committee: Deans David Bess, Nicholas B. Corba, Shosuke Goto, Andrew W.S. In, Alfred J. Levy; Professors James Linn, Joseph Maltby, Herbert F. Margulies, Richard Rider
Summer Session Council: Deans David Bess, Nicholas Corba, Shosuke Goto, Andrew W.S. In; Professors Charles Bouslog, Daniel Kwok, Douglas Vann

*Mailing Address Summer Session Office
2500 Dole Street, Krauss 101
University of Hawaii
Honolulu, Hawaii 96822
Resident Summer Faculty

Abrera, Josefa, Ph.D. (Indiana University), Assistant Professor of Library Studies
Abundo, Lieselotte, B.A. (Hawaii), Lecturer in German
Adachi, Mitsuo, Ed.D. (Arizona State), Associate Professor of Education
Adams, Carl W., M.S. (Naval Postgraduate School), Associate Professor of Meteorology
Aladieff, Constantine, B.A. (Hawaii), Instructor in Russian
Allday, Christopher, Ph.D. (California at Berkeley), Assistant Professor of Mathematics
Amioka, Wallace, M.B.A. (Hawaii), Lecturer in Business Economics & Quantitative Methods
Anderson, Edith H., Ph.D. (New York), Professor of Nursing
Anderson, George, Ph.D. (Pennsylvania), Professor of English
Anderson, Howard, M.A. (Hawaii), Lecturer in American Studies
Anderson, Ronald S., Ph.D. (California at Berkeley), Professor of Education
Andrews, Wayne, M.F.A. (Montana), Instructor in English
Ansberry, Merle, Ph.D. (Wisconsin), Professor of Speech Pathology & Audiology
Aoki, Mitsuo, D.D. Hon. (Pacific School of Religion), Professor of Religion
Apfel, James, Ed.D. (George Peabody College), Assistant Professor of Education
Arai, Teruo, Natori Diploma (Nishikawa Traditional Dance School, Japan), Lecturer in Music
Arakaki, Elsie, B.S. (Hawaii), Lecturer in Education
Araki, Charles T., Ed.D. (Illinois), Associate Professor of Education
Asato, James K., M.S. (Illinois), Assistant Professor of Health & Physical Education
Ashworth, David, Ph.D. (Cornell), Assistant Professor of Japanese
Askman, Ramona Lin, M.A. (Hawaii), Instructor in Chinese
Assali, Robin, M.A. (California at Berkeley), Assistant Professor of Philosophy
Aten, Donald G., Ed.D. (Columbia), Associate Professor of Education
Austin, Mary C., Ed.D. (Syracuse), Professor of Education
Ayabe, Harold I., Ph.D. (Indiana), Associate Professor of Education
Bach, Wilfrid O., Ph.D. (University of Sheffield, England), Associate Professor of Geography
Baciu, Stefan, M.A. (Bucharest), Professor of Spanish
Bail, Frederick T., Ph.D. (Cornell), Assistant Professor of Education
Baird, Robert E., Ph.D. (Cornell), Professor of Management and Travel Industry Management
Baker, John, Ph.D. (Boston College), Assistant Professor of Education
Ball, Robert, Ph.D. (Columbia), Assistant Professor of Classics
Barale, Catherine, B.A. (Minnesota), Instructor in Chinese
Bard, Therese, Ph.D. (California at Berkeley), Assistant Professor of Library Studies
Batoon, Zosima, B.S. (Far Eastern University, Manila), Lecturer in Music
Bear, Herbert, Ph.D. (California at Berkeley), Professor of Mathematics
Beaver, Frank, M.A. (California State at Long Beach), Instructor in Art
Beechert, Edward D., Ph.D. (California at Berkeley), Professor of History
Beers, Fred, M.A. (Hawaii), Instructor in Mathematics
Bekeart, Edna F., B.Ed. (Hawaii), Lecturer in Health & Physical Education
Bell, Donald W., B.S. (Montana State), Associate Professor of Real Estate
Bender, Frederic, Ph. D. (Northwestern), Associate Professor of Philosophy
Benedict, Albert A., Ph. D. (California at Berkeley), Professor of Microbiology
Bénavois, Mustapha, Ph. D. (Illinois), Assistant Professor of French
Bernardino, Theresa, B.A. (Hawaii), Lecturer in Hawaiian
Bertram, Edward, Ph. D. (California at Los Angeles), Assistant Professor of Mathematics
Bhagavan, Nadhipuram V., Ph. D. (California at Berkeley), Professor of Biochemistry and Medical Technology
Blimes, Jacob M., Ph. D. (Stanford), Assistant Professor of Anthropology
Birnbaum, Neil, Lecturer in Music
Blakeman, Roger, Ph. D. (Simon Fraser), Lecturer in Psychology
Blaine, Daniel D., Ph. D. (Texas), Assistant Professor of Education
Blanchard, Robert J., Ph. D. (Iowa), Professor of Psychology
Blaylock, John J., Ph. D. (Iowa State), Associate Professor of Psychology
Boblin, Robert T., Ph. D. (Southern California), Associate Professor of Religion
Bond, John R., Ph. D. (Southern California), Lecturer in Psychology
Bouslog, Charles, Ph. D. (Harvard), Professor of English
Boyd, David, B.S. (Carnegie Mellon), Assistant Professor of Civil Engineering
Boyd, Mark A., M.F.A. (Hawaii), Instructor in Drama & Theatre
Braun, Frederick G., Ed. D. (California at Los Angeles), Professor of Education
Brooks, Coy C., Ph. D. (Missouri), Professor of Animal Science
Brown, A. Peter, Ph. D. (Northwestern), Assistant Professor of Music
Brown, Frank B., Ed. D. (Indiana), Associate Professor of Education
Brown, Nancy, M.A. (Ohio State), Instructor in English
Burhans, A. Daniel, Ph. D. (Hawaii), Assistant Professor of Political Science
Buy, Douglas, Ph. D. (Northwestern), Associate Professor of Political Science
Cabral, Margaret, B.S. (Otterbein), Lecturer in Education
Cambra, Ho'oulu, M.M. (Eastman School of Music), Lecturer in Music
Campbell, Robert L., M. Ed. (Louisiana State), Associate Professor of Education
Cannon, Glenn, B.A. (Temple), Associate Professor of Drama & Theatre
Carlson, William T., III, B.A. (Rutgers University), Lecturer in English as a Second Language
Carpson, John G., Ph. D. (Minnesota), Associate Professor of Psychology
Carroll, W. Dennis, Ph. D. (Northwestern), Assistant Professor of Drama & Theatre
Cavaletto, Catherine G., M.S. (Hawaii), Assistant Professor of Food Science
Cha, Peggy, M.A. (Hawaii), Instructor in English
Chadwick, Richard W., Ph. D. (Northwestern), Associate Professor of Political Science
Chai, Hi Chang, Ph. D. (Ohio State), Professor of Mechanical Engineering
Chang, Hau Peng, M.A. (Hawaii), Instructor in Chinese
Chang, Judy Fei Fei, M.A. (Hawaii), Instructor in Chinese
Chang, Thomas M. C., Ph. D. (Ohio State), Associate Professor of Education
Chappell, David, M.A. (Yale), Acting Assistant Professor of Religion
Chattopadhyay, Rahul, Ph. D. (California at Los Angeles), Professor of Electrical Engineering
Chattopadhyay, Virgie O., Ed. D. (California at Los Angeles), Assistant Professor of Education
Cheema, Shabbir, M.A. (Hawaii), Assistant Professor of Political Science
Cheng, Chung-ying, Ph. D. (Harvard), Associate Professor of Philosophy
Cheng, Edmond D.H., Ph. D. (Utah State), Associate Professor of Civil Engineering
Cheng, Robert, Ph. D. (Indiana), Associate Professor of Chinese and Japanese
Ching, Doris M., M.Ed. (Hawaii), Instructor in Education
Ching, Mary L., M.Sc. (Ohio State), Assistant Professor of Foods
Cheoe, Yong-ho, Ph. D. (Chicago), Assistant Professor of History
Choy, Dexter J. L., M. A. (Hawaii), Internship Coordinator, Travel Industry Management
Chu, Gail Y., Ph. D. (Washington), Assistant Professor of Finance
Chui, Edward F., Ph. D. (Iowa), Professor of Health & Physical Education
Chun, Joyce H. N., M. Ed. (Hawaii), Instructor in Education
Church, Carolyn, M. A. (Washington), Instructor in English
Ciborowski, Thomas J., Ph. D. (California at Irvine), Assistant Professor of Psychology
Clopion, Robert W., Ph. D. (Northwestern), Assistant Director of Liberal Studies
Colby, Robert, Ph. D. (Kansas), Associate Professor of Mathematics
Cole, Robert E., Ph. D. (Iowa), Associate Professor of Psychology
Collier, Roy W., M. A. (Pacific), Assistant Professor of English as a Second Language
Comcowich, Jerome M., Ph. D. (Denver), Associate Professor of Education
Condax, Iovanna D., Ph. D. (Princeton), Assistant Professor of Linguistics
Coraggio, Peter, M.S. (Juilliard School of Music), Associate Professor of Music
Craven, Dorothy, M. A. (Iowa), Assistant Professor of Speech Pathology & Audiology
Craven, Thomas, Ph. D. (Cornell), Assistant Professor of Mathematics
Crawford, S. Cromwell, D. Th. (Pacific School of Religion), Associate Professor of Religion
Creed, Victoria, M. A. (Pennsylvania), Lecturer in French
Crooker, Peter P., Ph. D. (Naval Postgraduate School), Assistant Professor of Physics
Crosby, Robert, Ph. D. (California at Los Angeles), Assistant Professor of Mathematics
Crowell, David H., Ph. D. (Iowa), Professor of Psychology
Csdoras, George, Ph. D. (Case Western Reserve), Associate Professor of Mathematics
Cubberly, Ray E., Ph. D. (Wisconsin), Assistant Professor of History
Cunningham, Lillian, M.A. (Arkansas), Instructor in English
Curtis, Delores, Ed. D. (Illinois), Associate Professor of Education
Dahlke, Bonnie, M. A. (Hawaii), Lecturer in German
Dale, Verda M., Ph. D. (Michigan State), Professor of Home Economics
Damon, Philip, M.F.A. (Iowa), Assistant Professor of English
Daniels, Per Anders, Ph. D. (Michigan), Assistant Professor of Meteorology
Dardjowidjojo, Soenjono, Ph. D. (Georgetown), Assistant Professor of Southeast Asian Languages
Dator, James, Ph. D. (American), Professor of Political Science
Davidson, Russell, M. F. A. (Ohio), Assistant Professor of Art
Day, Richard, Ph. D. (Hawaii), Assistant Professor of English as a Second Language
de Heer, Gerrit, M. A. (Cornell), Lecturer in Indonesian
Dela, Mary Alice, M. A. (Georgia State), Lecturer in English
Denny, James, Ph. D. (Case Western Reserve), Associate Professor of Education
De Silva, Gallay, M. A. (Hawaii), Lecturer in Geography
Diamond, Milton, Ph. D. (Kansas), Professor of Anatomy & Reproductive Biology
Dias, Austin, Ph. D. (Wisconsin), Assistant Professor of Spanish
Digman, John M., Ph. D. (Ohio State), Professor of Psychology
Dixon, Michael, M. A. (Hawaii), Assistant Professor of Political Science
Drinkard, Stephen, M. A. (California at Los Angeles), Instructor in English
Dubanoski, Richard A., Ph. D. (Minnesota), Associate Professor of Psychology
Dugal, Don, M. F. A. (Hawaii), Lecturer in Art
Dung, Satoko, Teaching Certificate (Musashino Women's College, Japan), Lecturer in Japanese
Dunn, Jeffrey, M. F. A. (Florida), Assistant Professor of Art
Dunn-Rankin, Peter, Ed. D. (Florida), Associate Professor of Education
Dunwell, Robert R., Ed. D. (Kansas), Professor of Education
Duvall, Alice, M. A. (California at Berkeley), Lecturer in Education
Ebel, Robert D., Ph. D. (Purdue), Assistant Professor of Economics
<table>
<thead>
<tr>
<th>Name</th>
<th>Degree</th>
<th>University</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Edelestein, Arnold,</td>
<td>Ph.D. (California at</td>
<td>Assistant Professor of English</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Berkeley)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ellis, Dean S.,</td>
<td>Ph.D. (Purdue)</td>
<td>Associate Professor of Marketing</td>
<td></td>
</tr>
<tr>
<td>Endo, Calvin, Ph.D.</td>
<td>(Oregon)</td>
<td>Assistant Professor of Sociology</td>
<td></td>
</tr>
<tr>
<td>Espiritu, Prescilla L., M.A. (Hawaii), Instructor in Ilokano</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Everson, Marion, M.F.A. (Cranbrook Academy)</td>
<td>Assistant Professor of Art</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ezer, Melvin, Ed.D. (Harvard)</td>
<td>Professor of Education</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fan, Pow-fong, Ph.D. (California at Los Angeles)</td>
<td>Associate Professor of Geology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fargo, George, Ph.D. (Claremont Graduate School)</td>
<td>Associate Professor of Education</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Finney, Sandra K., M.A. (San Francisco State)</td>
<td>Assistant Professor of Drama &amp; Theatre</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fischer, Joel, D.S.W. (California at Berkeley)</td>
<td>Professor of Social Work</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fontaine, Janet, M.Ed. (Massachusetts)</td>
<td>Lecturer in Education</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fox, Robert, Ph.D. (Missouri)</td>
<td>Professor of Soil Science</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frank, Hlimer A., Ph.D. (Washington State)</td>
<td>Professor of Food Science</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frazier, Gordon, Ph.D. (Southern Illinois)</td>
<td>Associate Professor of Education</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Freese, Ralph, Ph.D. (California Institute of Technology)</td>
<td>Assistant Professor of Mathematics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Friederich, Rinehard, Ph.D. (Washington)</td>
<td>Assistant Professor of English</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Friedman, Harry J., Ph.D. (Pittsburgh)</td>
<td>Professor of Political Science</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Friedson, Anthony, Ph.D. (State University of Iowa)</td>
<td>Associate Professor of English</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fruehling, Royal T., Ed.D. (Stanford)</td>
<td>Associate Professor of Education</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fryer, Donald W., Ph.D. (University of London)</td>
<td>Professor of Geography</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fujimura, Thomas, Ph.D. (Columbia)</td>
<td>Professor of English</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fujita, Shirley Y., M.A. (New York)</td>
<td>Associate Professor of Education</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fuller, Gary, Ph.D. (Pennsylvania State)</td>
<td>Assistant Professor of Geography</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fuller, Daniel D., Ph.D. (Denver)</td>
<td>Professor of Education</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fuson, Neil M., B.A. (Texas Christian)</td>
<td>Instructor in Drama &amp; Theatre</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gashinski, Thaddeus, Ph.D. (Stanford)</td>
<td>Associate Professor of Russian Studies</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gething, Judith R., Ph.D. (Michigan)</td>
<td>Assistant Professor of Special Studies</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Getting, Thomas W., Ph.D. (Michigan)</td>
<td>Associate Professor of South East Asian Languages</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ghali, Moheb, Ph.D. (Washington)</td>
<td>Associate Professor of Economics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gibson, Robert, M.A. (Hawaii)</td>
<td>Instructor in English as a Second Language</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gillett, Dorothy, B.S. (Ohio State)</td>
<td>Assistant Professor of Music</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Goodman, Lenn Evan, D.Phil. (Oxford)</td>
<td>Assistant Professor of Philosophy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gordon, William, M.B.A. (Hawaii)</td>
<td>Lecturer in Business Economics and Quantitative Methods</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Goto, Shosuke, Ph.D. (Minnesota)</td>
<td>Associate Professor of Plant Pathology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grandstaff, Vilai, M.A. (Hawaii)</td>
<td>Lecturer in Thai</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grant, Glen, M.A. (Hawaii)</td>
<td>Lecturer in American Studies</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gray, Wendell, B.M. (Syracuse)</td>
<td>Lecturer in Music</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gust, Timothy C., Ph.D. (North Dakota)</td>
<td>Associate Professor of Education</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Habein, Yaeko, M.A. (Hawaii)</td>
<td>Instructor in Japanese</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hadlich, Roger, Ph.D. (Michigan)</td>
<td>Professor of Spanish</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hagstrom, Philip, M.A. (Hawaii)</td>
<td>Instructor in History</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hahn, Youngki, Ph.D. (California)</td>
<td>Assistant Professor &amp; Chairman, Business Economics Dept., Hilo College</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Haines, John S., Ph.D. (Wisconsin)</td>
<td>Assistant Professor of Economics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Haley, Samuel R., Ph.D. (Texas)</td>
<td>Assistant Professor of Zoology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hall, John B., Ph.D. (California at Berkeley)</td>
<td>Professor of Microbiology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hallman, Nyle, B.Mus. (Westminster Choir College)</td>
<td>Lecturer in Music</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hamilton, Robert, M.B.A. (Hawaii)</td>
<td>Lecturer in Business Economics and Quantitative Methods</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hankin, Jean H., Dr.P.H. (California at Berkeley)</td>
<td>Associate Professor of Public Health</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Harman, Marilyn, M.A. (California at Berkeley)</td>
<td>Instructor in Special Studies</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Harter, Edward, Ph.D. (Illinois)</td>
<td>Assistant Professor of Philosophy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hasegawa, Nobuko, B.A. (Rikkyo University, Japan)</td>
<td>Instructor in Japanese</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hawkins, Emily, M.A. (Hawaii)</td>
<td>Lecturer in Hawaiian</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hayasaka, Simika R., M.A. (Hawaii)</td>
<td>Instructor in Linguistics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hayes, Charles, Ph.D. (West Virginia)</td>
<td>Associate Professor of Physics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hayes, Elaine D., Ph.D. (North Carolina)</td>
<td>Professor of Education</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hazama, Dorothy O., M.A. (New York)</td>
<td>Associate Professor of Education</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heacock, William, M.S. (Washington State)</td>
<td>Instructor in Physics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heien, Larry, Ph.D. (Indiana)</td>
<td>Associate Professor of Russian</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Herring, Kanako, B.A. (Josei University, Japan)</td>
<td>Instructor in Japanese</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hibbard, Don, M.S. (Hawaii)</td>
<td>Lecturer in American Studies</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Higashinuma, Ryokichi, Ph.D. (Illinois)</td>
<td>Assistant Professor of Civil Engineering</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hijirida, Kyoko, M.A. (Hawaii)</td>
<td>Instructor in Japanese</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hilgers, Thomas, M.A. (Claremont Graduate School)</td>
<td>Instructor in English</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hines, Robert, M.M. (Michigan)</td>
<td>Professor of Music</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hing, Francisco S., Ph.D. (Wisconsin)</td>
<td>Associate Professor of Food Science</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hirayama, Genkyu, B.A. (Chuo University, Japan)</td>
<td>Instructor in Japanese</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ho, Shang Hsien, M.A. (Texas)</td>
<td>Instructor in Chinese</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hoffmann, Joan C., Ph.D. (Illinois)</td>
<td>Associate Professor of Anatomy &amp; Reproductive Biology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Holtzmann, Oliver V., Ph.D. (Washington State)</td>
<td>Professor of Plant Pathology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hooper, Paul, Ph.D. (Hawaii)</td>
<td>Assistant Professor of American Studies</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hoover, Thomas, Ph.D. (Michigan)</td>
<td>Assistant Professor of American Mathematics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Horan, Claude, M.A. (Ohio)</td>
<td>Professor of Art</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Howell, Llewellyn D., Jr., Ph.D. (Syracuse)</td>
<td>Assistant Professor of Political Science</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hunter, Terry, M.A. (Illinois)</td>
<td>Instructor in English</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hwang, Suk R., M.S. (Arizona State)</td>
<td>Assistant Professor of Physics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ibrahim, Ibrahim, Ph.D. (New York)</td>
<td>Assistant Professor of Business Economics &amp; Quantitative Methods</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ignatius, Mary Ann, Ph.D. (Stanford)</td>
<td>Assistant Professor of French</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Iha, Franklin, Ph.D. (California at Los Angeles)</td>
<td>Assistant Professor of Mathematics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ihara, Judson L., Ph.D. (Princeton)</td>
<td>Director of Liberal Studies Program</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Imura, Marily, B.A. (Hawaii)</td>
<td>Instructor in Mathematics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inatsugu, Seiji, M.S. (Hawaii)</td>
<td>Assistant Professor of Physics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ing, Alan, M.S. (Illinois)</td>
<td>Lecturer in Music</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inn, Agnes M.S., Ed.D. (California at Berkeley)</td>
<td>Professor of Education</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inouye, Carey S., M.S. (Hawaii)</td>
<td>Assistant in Physics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ishigami, Yukio, B.A. (Keio University, Japan)</td>
<td>Instructor in Japanese</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Izutsu, Nobue, B.S. (Hawaii)</td>
<td>Instructor in Education</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jackson, Ernest, Ph.D. (Michigan)</td>
<td>Professor of French</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jackson, Frederick, M.A. (Hawaii)</td>
<td>Instructor in English as a Second Language</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jackson, Kenneth, Ed.D. (Columbia)</td>
<td>Associate Professor of English as a Second Language</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jackstadt, Stephen L., M.A. (California at Los Angeles)</td>
<td>Instructor in Education</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jacobs, Roderick, Ph.D. (California at San Diego)</td>
<td>Professor of Linguistics and English Language</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jacekels, Solomon P., Ed.D. (California at Los Angeles)</td>
<td>Professor of Education</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Joergen, Pauline, M.A. (Hawaii)</td>
<td>Lecturer in History</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Johnson, James, Ph.D. (Colorado)</td>
<td>Associate Professor of Mathematics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Johnson, Robert C., Ph.D. (Wisconsin)</td>
<td>Assistant Professor of Speech</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Johnson, Ronald C., Ph.D. (Minnesota)</td>
<td>Professor of Psychology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Junkin, Michael, M.F.A. (California College of Arts and Crafts)</td>
<td>Assistant Professor of Art</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
RESIDENT SUMMER FACULTY

Mookini, Edwin, Ph.D. (California at Los Angeles), Professor of Mathematics
Moore, Cornelia, Ph.D. (Indiana), Assistant Professor of German
Moore, Ronald, Ph.D. (Columbia), Associate Professor of Philosophy
Morris, V. Dixon, Ph.D. (Washington), Associate Professor of History
Morrison, James, M.A. (Columbia), Instructor in English
Moscowe, Stephen A., Ph.D. (Oklahoma State), Assistant Professor of Accounting
Mower, Howard F., Ph.D. (California Institute of Technology), Professor of Biochemistry
Moy, James H., Ph.D. (Rutgers), Associate Professor of Food Science
Murray, Marjorie, M.A. (California at Berkeley), Instructor in English
Nagasawa, Earl, Lecturer in Health & Physical Education
Nagata, Kenneth M., B.A. (Hawaii), Lecturer in Botany
Nagley, Winfield, Ph.D. (Southern California), Professor of Philosophy
Nagoshi, Jack, M.S.W. (Hawaii), Associate Professor of Social Work
Nakasone, Yoshino, Natori Diploma (Makihana Honryu Dance Academy, Okinawa), Lecturer in Music
Nakayama, Tommy, Ph.D. (California at Berkeley), Professor of Food Science
Nakoa, Sarah, Lecturer in Hawaiian
Neubauer, Deane E., Ph.D. (Yale), Associate Professor of Political Science
Nicholson, Peter, Ph.D. (Pennsylvania), Assistant Professor of English
Nishimura, Kathleen, M.Ed. (Hawaii), Education Associate
Niyekawa-Howard, Agnes, Ph.D. (New York), Professor of Human Development
Noda, Daniel S., Ph.D. (Ohio State), Professor of Education
Nose, Katashi, C.A.S. (Harvard), Associate Professor of Physics
Nunes, Shihio, P.D. (Hawaii), Lecturer in Education
Nunn, G. Raymond, Ph.D. (Michigan), Professor of History
O'Donnell, Clifford R., Ph.D. (Kentucky), Assistant Professor of Psychology
O'Halloran, Frances, M.L.S. (Hawaii), Lecturer in Library Studies
O'Harrow, Stephen D., Ph.D. (University of Paris), Assistant Professor of Vietnamese
Okada, Jon, B.S. (California Institute of Technology), Instructor in Physics
Olson, Robert, Ph.D. (Columbia), Associate Professor of Religion
Olson, Roy, Ph.D. (Washington), Assistant Professor of Mathematics
Onitco, Belen C., M.A. (Sacramento State College), Lecturer in Tagalog
Onishi, Earl T., B.B.A. (Hawaii), Lecturer in Health & Physical Education
Onouye, Linda, M.A. (Hawaii), Instructor in Japanese
Overbeek, Johannes, Ph.D. (University of Geneva), Assistant Professor of Mathematics
Oxford, Wayne H., Ph.D. (California at Los Angeles), Associate Professor of Speech
Pak, Tae-Yong, Ph.D. (Bowling Green State), Assistant Professor of English
Pang, Morris S.Y., Ed.D. (Colorado State), Professor of Education
Pang-Ching, Glenn K., Ph.D. (Southern California), Associate Professor of Speech Pathology & Audiology
Paolini, Shirley, Ph.D. (California at Irvine), Assistant Professor of English
Paopao, Satete, Assistant in Samoan
Parsons, Joseph, M.S. (Hawaii), Assistant in Physics
Passey, Joel C., M.A. (Washington), Assistant Professor of Speech
Paz, Josefa, B.A. (University of Philippines), Lecturer in Ilokano
Peterson, Richard, Ph.D. (California at Berkeley), Associate Professor of Business Economics & Quantitative Methods
Picard, Anthony J., Ph.D. (Ohio State), Associate Professor of Education
Pickens, Alex L., Ed.D. (California), Professor of Education
Piianaia, Abraham, B.A. (Hawaii), Lecturer in Geography
Pottinger, Francis M., Ph.D. (Claremont Graduate School), Associate Professor of Education
Potter, Robert E., Ed.D. (Illinois), Professor of Education
Poyzer, Marvin E., Ph.D. (Colorado), Professor of Education
Prigge, Nan, Ph.D. (Illinois), Assistant Professor of Education
Quinn, David, Ph.D. (Oregon), Assistant Professor of French
Ramage, Colin S., Sc.D. (University of New Zealand), Professor of Meteorology
Ramos, Teresita V., Ph.D. (Hawaii), Assistant Professor of Filipino
Rapson, Richard L., Ph.D. (Columbia), Professor of History
Reddin, Mary E., Ed.D. (Indiana), Professor of Education
Reed, S. Arthur, Ph.D. (Michigan State), Professor of Zoology
Reese, Emily, M.A. (Hawaii), Instructor in Communication
Reese, Clayton H., Ph.D. (Washington), Associate Professor of Management
Reid, Lawrence A., Ph.D. (Hawaii), Research Associate in Linguistics
Rice, Robert C., Ph.D. (Cornell), Assistant Professor of Economics
Ricks, Shirley, M.A. (San Francisco State College), Instructor in English
Rider, Richard, Ph.D. (Illinois), Professor of Communication
Rogers, Kenneth, Ph.D. (Cambridge), Associate Professor of Mathematics
Rohrer, Ira S., Ph.D. (Michigan State), Associate Professor of Political Science
Roop, D. Haigh, Ph.D. (Yale), Assistant Professor of South East Asian Languages
Root, Barry, M.A. (Hawaii), Lecturer in Geography
Rosario, Fiorangel, Ph.D. (Syracuse), Assistant Professor of Communication
Roster, Fred, M.F.A. (Hawaii), Assistant Professor of Art
Rowell, Annette, B.M. (Eastman School of Music), Lecturer in Music
Rowell, Lewis A., Ph.D. (Eastman School of Music), Professor of Music
Russell, Armand, A.M.D. (Eastman School of Music), Professor of Music
Sakihara, Masako, B.A. (Jissen Women's College, Japan), Instructor in Japanese
Sakurai, Emiko, Ph.D. (Alabama), Assistant Professor of Japanese
Sanderson, Sarah, Ph.D. (Southern California), Associate Professor of Communication
Sankey, June, M.S. (Illinois), Assistant Professor of Fashion Design
Saville, Allison, Ph.D. (Washington), Associate Professor of History
Schaeberger, Larry L., Ph.D. (Minnesota), Associate Professor of Chemistry
Schofield, Edward T., Ed.D. (New York University), Professor of Library Studies
Sehillon, Ronald, Ph.D. (Hawaii), Assistant Professor of Linguistics
Scott, Frank S., Jr., Ph.D. (Illinois), Professor of Agricultural Economics
Seichi, George M., M.S. (Indiana University), Assistant Professor of Health & Physical Education
Seidl, Ludwig, D.Sc. (Vienna University of Technology), Associate Professor of Ocean Engineering
Seldin, Joseph, Ph.D. (Pittsburgh), Assistant Professor of Sociology
Senear, Peter, M.A. (Purdue), Instructor in American Studies
Seo, K.K., Ph.D. (Cincinnati), Professor of Business Economics & Quantitative Methods
Shapiro, Jerrold L., Ph.D. (Waterloo), Associate Professor of Education
Shapiro, Michael J., Ph.D. (Northwestern), Associate Professor of Political Science
Shapiro, Norman, M.F.A. (Ohio), Assistant Professor of Art
Sherman, Carl, Ph.D. (Harvard), Assistant Professor of English
Shiets, Janice, M.Ed. (Hawaii), Lecturer in Education
Shinoda, Minoru, M.A. (Hawaii), Assistant Professor of Social Work
Shipwright, Edward, M.S. (Juilliard School of Music), Assistant Professor of Music
Shoji, Kakuko, M.A. (Hawaii), Instructor in Japanese
Shrader, Stephen, M.F.A. (Iowa), Lecturer in English
Simkin, Mark, Ph.D. (California at Berkeley), Assistant Professor of Business Economics & Quantitative Methods
Sinclair, Marjorie, M.A. (Mills College), Associate Professor of English
Singer, Ronald, M.A. (Chicago), Instructor in English
Sinoto, Yoshiko, D.S. (University of Hokkaido), Professor of Anthropology
Sisson, Lee, Ph.D. (California at Los Angeles), Assistant Professor of Education
Sitaram, K.S., Ph.D. (Oregon), Assistant Professor of Speech
Siu, James A., M.A. (Hawaii), Assistant Professor of Mathematics
Smith, M. Ray, Ph.D. (Iowa State), Associate Professor of Agricultural Engineering
Solarana, Kathleen, M.B.A. (Hawaii), Lecturer in Real Estate
RESIDENT SUMMER FACULTY

Sommastrom, Allan. Ph. D. (Washington), Assistant Professor of Geography
Song, Zino, M. A. (Hawaii), Assistant Professor of Japanese
Spencer, Charles H., D. B. A. (Indiana), Professor of Accounting
Spiegler, Ellen, Ph. D. (New York University), Assistant Professor of Mathematics
Sprague, Ralph, Jr., D. B. A. (Indiana), Associate Professor of Business Economics & Quantitative Methods
Staab, Christopher, B. A. (Wisconsin), Lecturer in English as a Second Language
Standal, Bluebell R., Ph. D. (California at Berkeley), Associate Professor of Food and Nutritional Sciences
Stevens, Robert, Ph. D. (American), Professor of Library Studies
Stewart, Richard, M. A. (Hawaii), Lecturer in English
Stimson, John S., Ph. D. (California at Santa Barbara), Assistant Professor of Zoology
Streeter, Dennis, M. S. (Hawaii), Instructor in Information & Computer Sciences
Stueber, Ralph K., Ph. D. (Wisconsin), Professor of Education
Sturm, Sherrill, M. A. (Hawaii), Lecturer in French
Sugita, Emiko, M. A. (Hawaii), Instructor in Japanese
Summergill, Travis, Ph. D. (Harvard), Professor of English
Susilo, Hardja, M. A. (California at Los Angeles), Assistant Professor of Music
Suzuki, Yukihisa, M. L. S. (Michigan), Professor of Library Studies
Tagomori, Harry T., B. B. A. (Hawaii), Lecturer in Health & Physical Education
Tait, Malcolm, Ed. D. (Columbia), Professor of Music
Takata, Masakatsu, B. A. (Hawaii), Lecturer in Art
Takeguchi-Feldman, Sumie, Ed. D. (Syracuse), Assistant Professor of Education
Takesita, Sachiko, M. A. (Hawaii), Instructor in Japanese
Takeuchi, Keiko, M. A. (Hawaii), Lecturer in Japanese
Tanabe, Gilfred, Ph. D. (Purdue), Associate Professor of Psychology
Taylor, Harvey, Ph. D. (Hawaii), Assistant Professor of Japanese
Taylor, Margaret, M. L. S. (California at Los Angeles), Assistant Professor of Library Studies
Thompson, Phyllis, Ph. D. (Wisconsin), Associate Professor of English
Thurill, Whitney, M. M. (Syracuse), Lecturer in Music
Tominaga, Henry, K., Ed. D. (Northern Colorado), Associate Professor of Health & Physical Education
Topolinski, John, B. A. (Brigham Young), Lecturer in Health & Physical Education
Toyama, Jean, M. A. (Purdue), Instructor in French
Tracy, Robert A., Ph. D. (Minnesota), Associate Professor of Health & Physical Education
Trimmillos, Ricardo, Ph. D. (California at Los Angeles), Associate Professor of Music
Tuggle, H. David, Ph. D. (Arizona), Assistant Professor of Anthropology
Turnbull, Murray, M. A. (Denver), Professor of Art
Uchida, Ikuo, M. A. (Pittsburgh), Instructor in Japanese
Uehara, Betty K., M. A. (New York), Associate Professor of Education
Uhalley, Stephen, Ph. D. (California at Berkeley), Professor of History
Upadhaya, Kashi, Ph. D. (University of Ceylon), Professor of Philosophy
Van Niel, Robert, Ph. D. (Cornell), Professor of History
Van Zile, Judy, M. A. (Colorado), Instructor in Music
Vann, Sarah, Ph. D. (Chicago), Professor of Library Studies
Varney, Sheldon S., Ed. D. (Northern Colorado), Associate Professor of Education
Vasconcellos, Henry B., M. A. (San Jose State College), Associate Professor of Health & Physical Education
Vella, Dorothy, M. A. (Radcliffe), Instructor in English
Wade, Rex A., Ph. D. (Nebraska), Professor of History
Wang, Jaw-Kai, Ph. D. (Michigan State), Professor of Agricultural Engineering
Ward, Herbert, Diploma (Vienna Music Academy), Lecturer in Music
Ward, Jack H., Ph. D. (Carnegie), Assistant Professor of Hawaiian
Watanabe, Tokie, B. Ed. (Hawaii), Lecturer in Education
Weaver, Daniel, M. A. (Hawaii), Assistant Professor of Political Science
Weaver, Herbert B., Ph. D. (Pennsylvania), Professor of Psychology
Wee, Warren Y. F., M. B. A. (Hawaii), Instructor in Accounting
Welden, Terry, Ph. D. (Michigan State), Associate Professor of Communication
Weller, Donald J., Ph. D. (Hawaii), Assistant Professor of Communication
Wells, Benjamin, Ph. D. (California at Berkeley), Associate Professor of Mathematics
Wernert, Marie-Thérèse, M. A. (Hawaii), Instructor in French
Weston, John, Ph. D. (Columbia), Instructor in English
Whitehill, Arthur M., Ph. D. (Virginia), Professor of International Management
Whitesell, Philip A., M. A. T. (Indiana), Acting Assistant Professor of Education
Wiig, Jeanne, M. F. A. (Hawaii), Lecturer in Art
Wiley, William J., M. A. (Hawaii), Instructor in Education
Williams, Raburn, Ph. D. (Chicago), Associate Professor of Business Economics & Quantitative Methods
Wisnosky, John, M. F. A. (Illinois), Associate Professor of Art
Wittich, Walter A., Ph. D. (Wisconsin State), Professor of Education
Wolz, Carl, M. A. (Hawaii), Associate Professor of Drama & Theatre
Won, George, Ph. D. (Michigan State), Professor of Sociology
Wooden, Wayne, Ph. D. (Pennsylvania), Assistant Professor of Sociology
Yamada, Chie, Natori Diploma (Tokyo Kyoritsu Women's College), Lecturer in Music
Yamada, Mabel, Lecturer in Music
Yamamoto, George, M. A. (Hawaii), Associate Professor of Sociology
Yamamoto, Harry Y., Ph. D. (California at Davis), Professor of Food Science
Yamamoto, Keiko, M. A. (Hawaii), Instructor in Japanese
Yamamoto, Kenenth K., M. Ed. (Hawaii), Assistant Professor of Education
Yamamoto, Norman, B. A. (Taisho University, Japan), Instructor in Japanese
Yasui, Byron, D. M. A. (Northwestern), Assistant Professor of Music
Yeh, Stephen, Ph. D. (New York University), Professor of Sociology
Yeh, Yeong-Her, Ph. D. (Minnesota), Associate Professor of Economics
Yoshikawa, Munewo, M. A. (Hawaii), Assistant Professor of Japanese
Young, Kelvin K., M. Ed. (Hawaii), Assistant Professor of Education
Yung, Chia Yee, B. A. (Peking University), Instructor in Chinese
Zahn, Susan, B. A. (Wisconsin), Instructor in Communication
Zahn, Terry, B. A. (Wisconsin), Instructor in Communication
Zants, Emily, Ph. D. (Columbia), Associate Professor of French
Zettlin, Harry, Ph. D. (Hawaii), Professor of Chemistry
Zumbro, Nicholas, M. S. (Juilliard School of Music), Associate Professor of Music
Visiting Summer Faculty

Alberts, William, Ph.D., Professor of Finance, University of Washington
Alpern, Herbert P., Ph.D., Assistant Professor of Psychology, University of Colorado
Andrade, Ernest, Jr., Ph.D., Associate Professor of History, University of Colorado
Barnes, Jimmy D., Ph.D., Associate Professor of Marketing, California State College at Bakersfield
Beckman, John A., Ph.D., Professor of Management, University of New Hampshire
Best, Gary D., Ph.D., Assistant Professor of History, Sophia University, Japan
Bland, Jeffrey, Ph.D., Assistant Professor of Chemistry, University of Puget Sound
Brown, J. Marshall, Ph.D., Professor of Psychology, Lafayette College
Bynder, Herbert, Ph.D., Associate Professor of Sociology, University of Colorado
Chiang, Yee, Ph.D., Emeritus Professor of Chinese, Columbia University
Chu, Betty, Ph.D., Assistant Professor of Business, California State University at Long Beach
Costa, Arthur L., Ed. D., Associate Professor of Education, Sacramento State College
Cressey, Donald, Ph.D., Associate Professor of Speech, University of California at Berkeley
Deever, Merwin R., Ed. D., Professor of Education, Arizona State University
Denenberg, Victor H., Ph.D., Professor of Psychology, University of Connecticut
Diller, Karl C., Ph.D., Associate Professor of English as a Second Language, Harvard University
Elton, W. R., Ph.D., Professor of English, City University of New York
Ewan, Joseph, D.Sc. Hon., Professor of Biology, Tulane University
Fernando, Quintus, Ph.D., Professor of Chemistry, University of Arizona
Fuchs, Lawrence, Ph.D., Professor of American Studies, Brandeis University
Gathercole, Peter, M.A., Curator, Cambridge Museum of Archaeology & Ethnology
Geschwender, James, Ph.D., Professor of Sociology, State University of New York at Binghamton
Hailstone, Thomas, Ph.D., Dean, School of Business and Professor of Economics, Xavier University
Hawkins, John N., Ph.D., Assistant Professor of Comparative Education, University of California at Los Angeles
Higginbotham, Leon A., LL.B., Judge, United States District Court, Philadelphia, Pennsylvania
Ikeda, Kiyoshi, Ph.D., Professor of Sociology, Oberlin College
Jennings, Edward, Ph.D., Associate Professor of Finance, University of Iowa
Juster, Norman, Ph.D., Professor of Chemistry, Pasadena City College
Kitano, Harry, Ph.D., Professor of Sociology, University of California at Los Angeles
Liu, Hung-hsi, M.A., Director, Institute of Geography and Professor of Geography, National Taiwan Normal University
Loo, Chalsa, Ph.D., Assistant Professor of Psychology, University of California at Santa Cruz
Masterton, R. Bruce, Ph.D., Professor of Psychology, Florida State University
McLeod, Robert A., Ph.D., Professor of Microbiology, Macdonald College of McGill University, Canada
Meichenbaum, Donald H., Ph.D., Professor of Psychology, University of Waterloo
Murray, Steven N., Ph.D., Vice Chairman, Department of Biological Science and Assistant Professor of Biology, University of California at Irvine
Nakanishi, Chikashi, A.M., Professor of Marketing, Waseda University, Tokyo
Nicholson, Vincent, Ph.D., Computer Consultant, Sidney, Australia
Norman, Charles, A.B., Educational Skills Counselor, Macalester College
Overmier, J. Bruce, Ph.D., Professor of Psychology, University of Minnesota
Parks, Leo W., Ph.D., Professor of Microbiology, Oregon State University
Phillips, Bernard, Ph.D., Professor of Sociology, Boston University
Pridy, Deborah Robyn, Ed. D., Assistant Professor of Special Education, Sonoma State College
Reimnuth, James E., Ph.D., Associate Professor of Marketing, University of Oregon
Richards, Larry, Ph.D., Chairman and Professor, Department of Accounting & Quantitative Methods, University of Oregon
Sclitovsky, Tibor, Ph.D., Professor of Economics, Stanford University
Scott, William A., Ph.D., Professor of Psychology, University of Colorado
Smith, Gerald D., Ph.D., Professor of Management, California State University at Northridge
Smith, John, Ph.D., Associate Professor of Accounting, University of Iowa
Staudohar, Paul D., Ph.D., Associate Professor of Industrial Relations, University of Southern California
Strickland, Bonnie R., Ph.D., Professor of Psychology, University of Massachusetts
Supko, Peter, Ph.D., Assistant Research Geologist and Chief Scientific Editor, Deep Sea Drilling Project, Scripps Institution of Oceanography, University of California at San Diego
Thomas, David R., Ph.D., Professor of Psychology, University of Colorado
Van Woert, Robert, Ed. D., Associate Professor of Education, Montana State University
Vowels, Robert C., Ph.D., Dean, Graduate School of Business and Professor of Economics, Atlanta University
Walker, Charles R., Director of Training and Assistant Professor of Psychiatry, Meharry Medical College
Wegner, Eldon, Ph.D., Assistant Professor of Sociology, University of California at Riverside
Williams, John, M.A., Professor of English, City University of New York, LaGuardia College
Yanaga, Chitoshi, Ph.D., Emeritus Professor of Political Science, Yale University
The University of Hawaii was founded in 1907 as the land-grant college for the Territory of Hawaii, and became a state university when Hawaii joined the Union as the fiftieth state in 1959. Its main campus is located in the Manoa Valley section of Honolulu, the capital of the state. The colleges include: Arts and Sciences, Business Administration, Continuing Education and Community Service, Education, Engineering, Health Sciences and Social Welfare (including schools of Medicine, Nursing, Public Health, and Social Work), and Tropical Agriculture. There are, also a second campus at Hilo and a statewide system of two-year community colleges. The Graduate Division assumes the major role in the organization and development of graduate programs, including a Graduate School of Library Studies. The bachelor's degree is offered in 69 fields, the master's degree in 73 fields, and the doctorate in 34 fields. The academic year consists of two 17-week semesters, and a 12-week summer session offering two 6-week terms.

The University of Hawaii is accredited by the Western Association of Schools and Colleges. Its classes are open to all academically qualified men and women. It has chapters of national honor societies such as Phi Beta Kappa, Phi Kappa Phi, Sigma Xi, Pi Gamma Mu, Phi Delta Kappa, Sigma Pi Sigma, Omicron Delta Kappa, Chi Epsilon, Eta Kappa Nu Association, Pi Tau Sigma, Phi Eta Sigma, Mortar Board Hui Pookela chapter, Alpha Lambda Delta, Pi Lambda Theta Beta Zeta chapter, Delta Phi Alpha, Pi Delta Phi, Beta Phi Mu, Beta Gamma Sigma, Sigma Phi Alpha.

The Summer Session

The first Summer Session at the University of Hawaii was organized and established in 1927. An outline of plans for the Summer Session with a statement that the Session will be "wholly self-supporting" was presented to and approved by the Board of Regents on February 18, 1927.

The Summer Session of 1927 was organized to meet student demands, especially from teachers who wanted to use the summer for advanced study. In 1974, the forty-eighth year of operation, the Summer Session will provide a wide selection of courses in most major fields to students pursuing a degree program as well as to nonmatriculated students who wish to broaden their education.

**ADMISSION.** Applicants who fit any one of the following categories need not apply for admission to the summer session ahead of time, but will be required to complete a Self Certification Form during registration:

1. Graduate of an accredited college or university.
2. Student currently in good standing at an accredited college or university.
3. Student who was in good standing at the last accredited college or university attended.
4. Student who was placed on scholastic suspension or was dismissed after the spring semester of 1974 from the University of Hawaii.
5. Student on scholastic probation, but eligible for continued registration at an accredited college or university.
6. Student who has never attended college or university before, but who has been accepted for admission at an accredited college or university.
7. Student currently in good standing at a local community college and enrolled in the transfer curriculum.

Applicants who do not fit any of the categories listed above are required to submit official transcripts along with a regular Admission Form by April 15, 1974 to the
Office of Admissions and Records, 125 Bachman Hall, 2444 Dole Street, University of Hawaii, Honolulu, Hawaii 96822. Write to the Office of Admissions and Records for Admission Forms.

Financial obligations to the University of Hawaii must be cleared prior to registration.

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

VETERANS. The University of Hawaii is authorized to enroll veterans under Public Laws 358, 634, 815, and 90-631. Students registering for the first time under these laws should bring with them their Certificate of Eligibility for Education and Training. Veterans enrolling under P.L. 815 must present their “authorization and certification of entrance or re-entrance into training” form 21 E-1905, at the time of registration.

FOREIGN STUDENTS. All foreign students who plan to enroll in the summer session must report to the English Language Institute (ELI), Moore Hall 570, in order to make arrangements for an evaluation of their English. Tests for this purpose will be given on Saturday, May 18; Friday, May 24; and Friday, May 31, 1974.

Registration in ELI summer session courses is open to any foreign student who qualifies under any one of the seven categories listed under “Admission” (see above), including foreign students on the waiting list for Fall Admission. Placement tests, given on the dates mentioned above, will determine which particular ELI courses a student should enroll in.

In addition to the regular ELI courses, the Department of English as a Second Language, in conjunction with the College of Continuing Education and Community Service, also offers H.E.L.P. (Hawaii English Language Program), a non-credit intensive 10-week (June 17 to August 23) English program for foreign students. Basic (25 hours/week), intermediate (21 hours/week), and advanced (21 hours/week) levels are planned. For further information, write to H.E.L.P., The College of Continuing Education and Community Service, University of Hawaii, 2500 Dole Street, Room 104, Honolulu, Hawaii 96822.

Registration for Summer Session ELI or H.E.L.P. does NOT of itself imply acceptance at the University of Hawaii, Manoa Campus.

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 want to visit different lecture classes without examination or credit. These tickets may be purchased from the Treasury section at the registration area 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 institute courses, on a seat available basis. Visitors are not entitled to participate in classroom discussions, examinations, or other class activities, and are not permitted in seminars, laboratories, foreign language (including ELI and H.E.L.P.), studio, and activity courses. A lecturer may refuse a ticket holder's request to audit.

CANCELLATION OF COURSES. The Summer Session will cancel all undergraduate courses with enrollments of 10 or less. All graduate courses with enrollments of 5 or less will also be cancelled.

CHANGES. The University reserves the right to make changes in fees, faculty assignments, and time schedules; to cancel classes with inadequate 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. Students are limited to a maximum program of 8 credit hours in each 6-week summer term. Additional hours may be carried with approval of the appropriate college dean or the Dean of the Graduate Division, or in the case of transient students (here for the summer only), the Dean of Summer Session. Evening courses taken concurrently in the College of Continuing Education are to be included in the computation of total credits carried. The Graduate Division Catalog lists courses acceptable for graduate credit.

DEANS’ OFFICES. The offices of the deans in charge of student services are located as follows:

College of Arts and Sciences, Bachman Annex 10
College of Business Administration,
Business Administration Building, C-202
School of Travel Industry Management,
Business Administration Building, B-201
College of Continuing Education and Community Service, Krauss 105
College of Education, Wist 204
College of Engineering, Holmes 240
College of Health Sciences and Social Welfare
School of Medicine, Biomedical
Science Building Court C-203
School of Nursing, Webster 415
School of Public Health, Biomedical
Science Building D-208
School of Social Work, Hawaii 102
College of Tropical Agriculture, Keller 116, Miller 110
Graduate Division, Spalding 354A
Library Studies, Sinclair 106
School of Law, Makai Campus 17
Summer Session, Krauss 101
REGISTRATION FOR THE FIRST TERM
May 20-May 24

TUBERCULOSIS REGULATIONS
FOR ALL STUDENTS

State regulations require that any person attending an educational institution in this State must present satisfactory evidence that he has been examined for tuberculosis within three months before entering school; therefore, new or returning students enrolling for the 1974 Summer Sessions MUST PRESENT SOME VERIFICATION of a tuberculin test or a chest X-ray as required. Those students enrolled at the University of Hawaii at Manoa during the 1974 Spring semester may use their UHM medical card as verification.

1. All continuing University of Hawaii Manoa Campus students (those enrolled during the 1974 Spring semester) will have registration packets available for registration for the first summer session.

2. All other students should request summer session forms from the Summer Session or the Admissions and Records Office beginning late February.

REGISTRATION WILL BEGIN ON MONDAY, MAY 20—FRIDAY, MAY 24.

DISTRIBUTION OF PACKETS AND ENROLLMENT
STUDENTS will obtain their registration packets and IBM course cards and pay their fees on the days indicated below by the following schedule (last names):

MON., May 20 TUES., May 21 WED., May 22
8:00 G 8:00 L 8:00 P, Q
9:00 H 10:00 M 9:30 R
11:00 I 12:30 N 10:30 S
12:30 J 2:00 O 12:30 T
1:30 K 1:30 U, V

THURS., May 23 FRI., May 24
8:00 W, X 8:00 D, E
9:00 Y 9:00 F
10:30 Z, A 10:00 All Students
11:30 B
1:30 C

Students who have not registered previously may register on May 24. Each registration day will begin at 8:00 a.m. and end at 3:00 p.m. except on Friday when it will end at 5:00 p.m.

ALL STUDENTS TAKING COURSES DURING THE SUMMER SESSIONS WILL REGISTER AT THE MANOA CAMPUS DURING THE REGULAR SCHEDULED DATES FOR REGISTRATION.

INDIVIDUALS TAKING COURSES ON MANOA AND OFF-CAMPUS DURING ANY PERIOD OF THE FIRST SUMMER TERM WILL REGISTER DURING THE REGULAR SCHEDULED DATES FOR REGISTRATION.

REGISTRATION FOR THE SECOND TERM
July 1-July 5

TUBERCULOSIS REGULATIONS
FOR ALL STUDENTS

State regulations require that any person attending an educational institution in this State must present satisfactory evidence that he has been examined for tuberculosis within three months before entering school; therefore, new or returning students enrolling for the 1974 Summer Sessions MUST PRESENT SOME VERIFICATION of a tuberculin test or a chest X-ray as required. Those students enrolled at the University of Hawaii at Manoa during the 1974 Spring semester may use their UHM medical card as verification.

All students enrolling for the second summer term must inform the Admissions and Records Office by June 26 of their intention to register so that registration materials may be prepared.

DISTRIBUTION OF PACKETS AND ENROLLMENT
STUDENTS will obtain their registration packets and IBM cards and pay fees on the days indicated below by the following schedule:

MON., TUES., WED., FRI.,
July 1 July 2 July 3 July 5
K-O P-Z A-J All
Students

Each registration day will begin at 8:00 a.m. and end at 3:00 p.m.

INDIVIDUALS TAKING COURSES ON MANOA AND OFF-CAMPUS DURING ANY PERIOD OF THE SECOND SUMMER TERM WILL REGISTER DURING THE REGULAR SCHEDULED DATES FOR REGISTRATION.
CREDIT/NO CREDIT (CR/NC) OPTION. All students registering for a course under the CR/NC option must declare their intent to take a course on this basis at the time they register for the course. Subsequent changes from CR/NC to A, B, C, D, F, or vice-versa will not be allowed.

LATE REGISTRATION. Late registration will be permitted until 4 p.m. on Friday, May 31 (first term), and until 4 p.m. on Friday, July 12 (second term).

CHANGE OF REGISTRATION. Changes in registration for the first term will be permitted until May 31; and for the second summer term until July 12. Change of registration forms may be obtained at the Office of Admissions and Records at Bachman 120.

For change fees and refunds, see "REFUNDS" below.

STUDENT NUMBERS. Since the University uses Social Security numbers for record keeping, students must present Social Security cards during registration. Students who do not have numbers, those who have lost their cards, and those who have had name changes after getting cards should arrange with their Social Security officers for assignment of numbers prior to registration. Students from foreign countries may make application for Social Security numbers at the Social Security Office, 1181 Alakea Street, Honolulu.

ZIP CODES. The University cooperates with the United States Postal Service in recording zip codes. All registered students should use their zip codes for permanent and local addresses.

TUITION AND FEES. The summer session receives no legislative appropriation and is expected to operate within the limits of its own revenues.

Tuition is $20.00 per credit hour for residents and $30.00 per credit hour for non-residents. The tuition is the same whether the course is audited or taken for credit. There is no separate registration fee; and no laboratory or other course fee, except for applied music, institutes, and other special programs as noted in this catalog.

Under Board of Regents approval, enrollees in summer sessions are required to pay a $3.00 Campus Center Amortization Fee and a $2.00 Summer Session Activity Fee per session.

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

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

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

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

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

1. A 100% refund less $5.00 will be made if the student withdraws prior to the first day of classes (4 p.m. on Friday, May 24 for the first term, 4 p.m. on Friday, July 5 for the second term). If the University is responsible for a change in the program, the $5.00 fee will be waived.

2. 75%, until 4 p.m. on May 30 (first term); until 4 p.m. on July 10 (second term).

3. 37 1/2% thereafter, until 4 p.m. on June 4 (first term); until 4 p.m. on July 15 (second term).

4. No part of the $40.00 visitors' ticket, special course fee and activity fee is refundable, unless a complete withdrawal is made prior to the first day of classes whereby the student will receive 100% refund less $5.00.

There will be no refunds after June 4 in the first term, after July 15 in the second term. A 100 percent refund is granted only if the University is responsible for a change in program, and if such refund is approved by the Dean of Summer Session.

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 undergraduate courses except directed reading, research and seminar courses. 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 "F" 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, without approval of the Dean of Summer Session.

The grading system is the same as that used during the fall and spring semesters: A, B, C, D, F, Cr/NC (Credit/No Credit), W (withdrawal), and I (incomplete). The grade "I" is not normally used in summer session and may be used only with the written approval of the Dean of Summer Session. In these cases, it is necessary to assign an alternate grade alongside the "I", e.g., 1
becomes “A”. This alternate grade may be any one of the following: A, B, C, D, F, Cr, NC, or W. This is the grade which will replace the “I” if the student’s work is not completed prior to the Thanksgiving recess. If no alternate grade is given by the instructor, the “I” will be converted to an “F”. “S” GRADES ARE TO BE USED FOR THESIS 800 COURSES ONLY.

GRADE REPORTS. All grade reports will be sent to students through the mail after each summer term. Students should receive their grade reports approximately two (2) weeks after the end of each term.

WITHDRAWAL. Courses may be dropped without grade penalty up to the end of the 1st week of instruction (see Calendar) unless a later date is announced by the instructor. Withdrawal during the first week is not indicated on the student’s record. If a student withdraws after the first week of instruction, a grade of W will be entered on the student’s record if he has the approval of the dean of his college and his instructor. A student may obtain a “drop” form from the student services office of his college and the Summer Session Office for transient students (here for the summer only). There is a $2.00 charge for each form processed. The effective date of withdrawal is the date recorded by the Treasury Office in Bachman Hall.

COMPLETE WITHDRAWAL. If a student completely withdraws from the summer session prior to the end of the first week of instruction, no record of the courses for which he registered is maintained. After that period the dean of the college in which he is registered may approve complete withdrawals for physical incapacity or similar reasons and a mark of W will be recorded for each of his courses.

To withdraw, obtain an application for complete withdrawal at the Admissions and Records Office, Bachman 120. Signatures as indicated on the form must be obtained and the completed form turned into the Treasury Office, Bachman 110.

Refunds for withdrawals are noted in this catalog under “Refunds.” Such refunds as stated are made by the Treasury Office upon presentation of the completed and signed withdrawal form.

TRANSCRIPTS. Transcripts requests will be processed after each term upon the availability of final grades. Requests will be mailed approximately two (2) to three (3) weeks after the termination of each summer session.

TO DOE TEACHERS OF HAWAII. In order to qualify for higher salary classification, courses must be completed by August 31.

LIBRARY PRIVILEGES. The main book and periodical collections of the University of Hawaii Library are housed in Hamilton Library, located on the Mall. Sinclair Undergraduate Library, located at University Avenue and Campus Road, has a selected collection of materials for the undergraduate. It also contains the Reserve Reading Room, the Listening Center which provides for dial access retrieval of course-related information, and the following research collections: Government Documents, Hawaiian & Pacific, Asia (formerly the East-West Center Library located in Lincoln Hall), Rare Books and Archives. Guides to both libraries are available at the library information desks. Assistance in locating needed materials is provided by reference librarians at both Sinclair and Hamilton libraries. Registration fee slips should be presented at the circulation desks for checking out books.

ENROLLMENT FIGURES. The University of Hawaii Summer Session is one of the largest in the country. In 1973 a total of 17,961 students enrolled, registering for 69,984 credits. Some 84 percent of the students were from Hawaii, 10 percent from the mainland, and 6 percent from other countries or areas; women students outnumbered the men by about 52 percent to 48 percent; and some 64 percent of the students were candidates for University of Hawaii degrees or diplomas.

COURSES ON ASIA AND THE PACIFIC. In addition to standard courses comparable to those given at other American universities, the 1974 summer session offers many distinctive courses such as the following:

American Studies: Japanese Americans; Ethnic Families in America, East and West.
Anthropology: Regional Archaeology: Asia and Pacific.
Asian Studies: Civilization of Asia; Contemporary Chinese Studies Seminar; Contemporary Japanese Studies Seminar; Symbolism in Chinese Literature and Art; Principle and Technique of Chinese Calligraphy.
Botany: Botany of Cook's Voyages; Identification of Tropical Plants.
Communication: Communication Among Cultural Groups.
East Asian Languages: Chinese; Japanese.
East Asian Literature: Chinese.
**EXTRACURRICULAR ACTIVITIES**

**Education:** Zen and Education; History of Education in Hawaii; Education in China: Theory and Practice; Dances of Hawaii; Judo; Karate; Aikido.

**English:** World Literature: To the Renaissance. 1600 to present; Literature of the Pacific.

**Geography:** Geography of: Hawaii, Honolulu, Japan, Southeast Asia, China.

**Geology and Geophysics:** Geology of the Hawaiian Islands.

**History:** World Civilization; Civilizations of Asia; Southeast Asia; China; Japan; Hawaiian Islands; Korea; Contemporary China Seminar; East Asian Civilization; National and Regional History of Southeast Asia: Modern Indonesia; History of the Chinese Revolution; United States in the Pacific.

**Human Resources:** Pacific Foods.

**Indo-Pacific Languages:** Burmese; Hawaiian; Ilokano; Indonesian; Lao; Samoan; Tagalog; Tahitian; Thai; Vietnamese.

**Library Studies:** Field Seminar: Asian Information Industry—East Asia; Traditional Literature and Oral Narration: Asian Reference Sources.


**Oceanography:** Science of the Sea.

**Philosophy:** Zen; Indian; Chinese: Comprehensive Philosophical Systems: Yoga.

**Political Science:** Japan-United States Politics: Political Development: Asia; Japanese Politics.

**Sociology:** People and Institutions of Japan.

**Workshop in Aerospace Education.** June 24—July 25 (5 weeks). Introduction to aerospace science and technology and the social, economic, and political implications: designed for K-12 teachers, administrators, and curriculum specialists; background in science not required. Enrollment is limited and advanced registration by May 15 is required. Inquiries should be directed to: Dr. Donald G. Aten, College of Education. University of Hawaii, 1776 University Avenue, Honolulu, Hawaii 96822.

**Summer Research Program in Hawaiian Archaeology.** June 3—July 5. Archaeological field research is carried out in a selected area of the Hawaiian Islands. This program emphasizes field school activities as a part of a larger archaeological research activity. This is a full-time program in which students and staff will be living in isolated conditions for the duration of the project. Undergraduates may register for Anthro. 385 and 460. Applications are due by April 1. Applications and additional information may be obtained from Dr. H. David Tuggle, Department of Anthropology, University of Hawaii, Honolulu, Hawaii 96822.

**Summer Work-Study Program in Mental Health and Related Areas.** July 8—August 15. The WICHE Work-Study Program is scheduled for the second summer session, July 8—August 15. Approximately 20 students will be selected from among those who make formal application before May 1, 1974, through Mr. Dennis Dung, WICHE Interim Director, Department of Special Education. College of Education. Students must be graduating seniors in high school or an undergraduate at the university or college level. A stipend of $450-$500 will be awarded after the six-week program. Students must pay tuition and fees for six (6) units of credit.

**Ethnic Music and Dance in Education.** July 3—August 16. Introduction to the use of ethnic music and dance in undergraduate, junior college, and elementary teaching. Up to six (6) credits may be earned via combination of courses on music and dance in world culture, seminars on curriculum and teaching methods and performance classes in Asian, South Asian, and Pacific music and dance. The University of Hawaii will hold a six-week festival of performances of the arts of Hawaii, Samoa, Korea, Japan, Okinawa, Indonesia, and the Philippines: The staff consists of area specialists on the University of Hawaii faculty and guest teacher-performers from Korea and Indonesia. For further information, write Dr. Ricardo Trimillos, Department of Music, 2411 Dole Street, Honolulu, Hawaii 96822.

**STUDY TOUR OF HAWAII.** July 17—August 15. An in-depth study tour of the Geography, History, Culture and Economy of the islands of Hawaii. Includes the islands of Hawaii, Maui, Lanai, Molokai, Kauai, and Oahu. Tour will be led by Mr. Abraham Piianaia of the Geography Department. At the conclusion of the tour of the islands, continuing classroom studies will be carried on at the Honolulu campus of the University. Travel arrangements will be handled by Mr. W. A. Barrett, Gulliver's Travels, 1516 So. 11th St., Tacoma, Washington. Inquiries should be addressed to Mr. Abraham Piianaia, Department of Geography, University of Hawaii, or to Mr. Barrett.

**EXTRACURRICULAR ACTIVITIES**

**UNIVERSITY PROGRAM.** In keeping with the expanded academic program through sessions in Summer 1974, an extensive program of educational and recreational events is planned by the Summer Session Activities Office for the period June 3—August 9. This program includes a series of lectures, the Summer Theatre, guided tours on Oahu and neighbor islands, and non-credit classes and other programs at Campus Center and other campus sites.

A special brochure on Summer Session activities has been prepared and is available at the Summer Session Office. Details on the summer program for 1974 will be printed in Ka Nuhou Kau Wela, the summer session newspaper which is distributed on campus at the beginning of each week.
ACTIVITY CARDS. Students who have paid their fees may use their fee receipt as summer session activity cards. The fee slip entitles the bearer to attend or participate in various extracurricular events sponsored by the Summer Session Activities Office. For certain trips and activities an additional fee is charged to help defray the cost.

Summer Session faculty members may purchase activity cards for $2.50 at the Summer Session Activities Office, Campus Center administrative office. Spouses and children (late teenage or older) of these faculty members or of summer session students may purchase activity cards at Campus Center administrative office for $2.50 each (up to a maximum of $10.00 per family) upon approval of the Director of Student Activities. Persons not fitting the foregoing categories are not eligible for the activity cards.

The fee receipt is not transferable. Loss of one's fee receipt should be reported immediately to the Business Office of the University. Illegal use of another's fee receipt is subject to disciplinary action.

CAMPUS CENTER. The newly opened Campus Center in the heart of Manoa Campus will be the scene for a majority of the activities in the program. The building and its associated services and facilities including food and beverage services, browsing and music listening lounge, games and recreation area, typewriter and copying services, etc., will be available on a daily basis throughout the week. Other services including hairdressing salon, art and craft center, etc., are available in adjacent Hemenway Hall.

FESTIVAL OF ETHNIC MUSIC AND DANCE. Presented concurrently with the Ethnic Music and Dance Workshop, July 3—August 16, this series of performances will present traditional Hawaiian music and dance; folk and court dances of Okinawa, Japan, Korea, and the Philippines; a dance drama of Java; and Japanese Noh drama. Special events will include a Samoan Village day, an afternoon of European and American folk dancing, and a Japanese Bon Dance. The Festival is supported by a grant from The State Foundation on Culture and the Arts under a matching grant from The National Endowment for the Arts.

SUMMER PLAYS. The University Summer Theatre will present an evening of Samuel Beckett plays in the Kennedy Laboratory Theatre, The Taming of the Shrew and a dance concert in the Kennedy Theatre. Summer session students may apply for participation in the productions.

Reserved seat tickets will be available at the Kennedy Theatre box office Monday through Saturday from 10 a.m. to 6 p.m. during the first term (May 28—July 5). The telephone number is 948-7655 or 948-7699. There will be a nominal charge for summer session students with fee slips.

OF INTEREST TO VISITORS. Honolulu is a cosmopolitan metropolis of over 400,000 people representing nearly all parts of the world. The numerous shops offering exotic wares from everywhere, the lovely residential districts, and the beach areas with their sand, surfboards, and catamarans are of special interest to visitors. Then, there are the famed Bernice P. Bishop Museum, the Honolulu Academy of Arts, the 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 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

ON CAMPUS HOUSING. The University of Hawaii residence halls have excellent accommodations on campus for summer session students. Situated at the foot of cool Manoa Valley, they offer a breathtaking view of the city, the Kooolau Mountains, and the ocean.

Most students will be housed in the newest residence complex, Hale Aloha, which accommodates 255 students in each of four cylindrical thirteen-story towers. Two towers were opened in 1972 and two in 1973. Each floor accommodates 24-26 students in double rooms with two community bathrooms; each pair of floors share a lounge. There are five single rooms with private baths in each tower. Recreational facilities are located on the top floor. Dining facilities are located within the complex.

Some students may be assigned to Gateway House which was opened in 1963, accommodates 208 men and women in two ten-story towers, and is probably the most popular residence hall on campus. Each floor accommodates 12 students in double rooms; a bathroom connects two rooms so that four students share each bath. Each floor has its own lounge and telephone. Gateway residents will use the Aloha Cafeteria.

Housing for married students without children will be available with several floors set aside for this group.

Application-contracts must be accompanied by the $25.00 deposit before consideration for space reservation can be made. The contract is for room and board. Meals are served Monday through Friday. Two programs are available: 10 meals per week (breakfast and dinner) or 15 meals per week (breakfast, lunch and dinner).
**SIX-WEEK CONTRACT**

I. Room ($160.50-$25*) ............................................  $135.50
   Board (10 meals per week) ......................................  $84.00
   **$219.50**

II. Room ($160.50-$25*) ............................................  $135.50
   Board (15 meals per week) ......................................  $94.50
   **$230.00**

Single room rent is **$209.00**

*The $25.00 deposit is applicable to the rental fees.

**OFF CAMPUS HOUSING.** The student who chooses not to live in University residence halls is cautioned to be prepared to make temporary housing arrangements in hotels or other quarters, if possible in advance, and to keep in mind that rental rates can quickly use up personal funds. All possible avenues of searching for housing including newspapers, rental agencies, and personal or professional contacts in the community or other sources, should be utilized. There is no place on campus to which luggage or mail may be forwarded ahead of arrival.

The Student Housing Office offers a free central listing service and maintains listings of rooms in private homes, a few apartments, houses and room and board situations. However, these listings are very limited and quickly exhausted. Moreover, contacts with these off-campus landlords must be made directly by the student. Because of the rapid turnover the names of landlords cannot be sent through the mail. The rush for housing usually starts about three weeks prior to beginning of classes. The general housing picture is one of extreme shortage; this means expense and difficulty in finding suitable accommodations.

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

---

**ADDITIONAL INFORMATION**

**STUDENT HEALTH SERVICE.** The Student Health Service is interested in assisting students with their health problems while attending the University of Hawaii. Its medical care program is comparable to that of the general office practice of medicine. A dispensary provides physician services from 8:30 a.m. to 11:45 a.m. and from 12:30 p.m. to 4:15 p.m., Monday through Friday.

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

Summer session students who have special medical problems that require close follow up by the Health Service should bring letters from their personal physicians specifying recommendations for their care. Allergy shots, for example, will not be given by the Health Service unless students submit authorizations and directions from their personal physicians.

**Medical Clearance for Registration and Health and Physical Education Courses.** All University of Hawaii students registering for summer classes will be required to present unexpired UHM medical cards to obtain packets. Transient students, here only for the summer, must present a report of a tuberculosis examination performed within three months prior to registration.

Certain courses offered by the Health and Physical Education department will require medical clearance for admission (see course listings under “Health and Physical Education”). Regularly registered students of the University of Hawaii must present their UHM Medical Cards to register for HPE courses. Students who do not have UHM Medical Cards and are registering for the summer session only will be allowed to enroll for HPE courses provided the following steps are taken:

1. The student must have a medical examination performed by a private physician. Arrangements for this medical examination, including payment, must be made by the student.
2. The student must submit the results of the medical examination to the HPE instructor. The University of Hawaii Medical Recommendation Form to be used by Summer Students only to report the results of the medical examination may be obtained by writing to: Student Health Service, University of Hawaii, 1710 East-West Road, Honolulu, Hawaii 96822.

Students without a Medical Clearance Card or TB Report will be required to go to the Student Health Service for a tuberculin skin test or referred for a chest x-ray before they will be permitted to pick up their packets.

Faculty and Staff are required to submit a negative TB report annually to the administrators of their employing units. Thus, they should present their faculty/staff ID cards for packet pickup. Those registering for
HPE courses must comply with the above instructions for medical examinations performed by private physicians.

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 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 that start from the University of Hawaii campus with a member of our resident faculty in charge.

DRIVER'S LICENSES. The State of Hawaii has entered into a reciprocal agreement with 29 other states as members of the Driver License Compact. This provides that:

1. Drivers from Compact States who are 18 years or older may drive in Hawaii as long as their home state license is valid. Drivers under 18 must get a Hawaii license before driving.
2. Driving records acquired here or in any other Compact State are forwarded to the driver's home state and treated as though they had occurred there.
3. Before a driver's home state license expires he must either renew it by mail (if allowed by his home state) or get a Hawaii driver's license. He may receive a Hawaii license without written or road tests prior to expiration but after expiration, both tests are mandatory.
4. When a driver from a Compact State obtains a license in another state he must relinquish his home state license.


A new Hawaii resident 18 years of age or over, who holds a valid license from a state other than a Compact State, may drive in the Islands up to 90 days before obtaining a Hawaii license. This applies to both civilians and military personnel.

To obtain a Hawaii license go to the Honolulu Police Department's Driver's License Division, City Hall Pavaa Annex, 1455 S. Beretania St., Honolulu 96814 (telephone 955-8111). There are other Oahu offices at Waiala, Pearl City, Kailua and Kaneohe. Hours at all of them are from 7:45 a.m. until 4 p.m. Mondays through Fridays.

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 the traffic desk in the Auxiliary Services building. Ignorance of these rules and special instructions will not excuse a student from the payment of fines for violations.

Parking stickers will be sold during registration and at the traffic desk in the Auxiliary Services building on a first come, first served system.

Bring your driver's license, car registration, proof of insurance, and your receipt showing that you are a registered summer student. If you do not have these papers, you will not be able to register for a parking permit.

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

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

Only students who were registered within the University of Hawaii system for the Spring 1974 semester and will graduate from Manoa in the Summer of 1974 will be considered for summer session loans. The filing deadline is March 1, 1974. Application forms are available at the Financial Aids Office, 1627-A Bachman Place, University of Hawaii, Honolulu, Hawaii 96822.

TUTORING AND SERVICES TO HANDICAPPED. A tutoring service is maintained by the University in its Kokua program. This service assists students who need special, but temporary, assistance in a particular subject. Students may be referred to Kokua by an academic adviser or by an instructor; self-referrals are also accepted.

Aids to students who have physical impairments are offered by the University, also through Kokua. Students who will need special assistance because of physical handicaps should apply as early as possible to this office. Kokua provides student aids, help with registration, readers for the blind, and other help to students who need special assistance in order to attend classes.

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.
Courses Offered

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

1. Undergraduate courses 1 through 499
   A. Courses not applicable toward a bachelor's degree ............................... 1-99
   B. Courses applicable toward a bachelor's degree ........................................ 100-499

Initial or introductory courses; normally open to freshmen, 100-199.
Second-year courses in a sequence or development within a field of study, 200-299.
Third-year courses in sequence, or first courses in professional curricula normally taken by juniors, 300-399.
Most advanced undergraduate courses, 400-499.

2. Post-baccalaureate courses 500 through 800
   A. Courses in continuing education not generally applicable toward degrees . 500-599
   B. Courses applicable toward advanced degree ............................................. 600-800

Courses typically taken in first year of graduate study, or first in sequence, 600-699.
More advanced graduate courses, 700-799.
Thesis research, 800.

The number of semester credit hours carried by each course is listed in parentheses immediately after the title of the course.
Most classes will be held according to the following schedules:

<table>
<thead>
<tr>
<th>50-MINUTE CLASSES</th>
<th>75-MINUTE CLASSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:45- 8:35</td>
<td>7:20- 8:35</td>
</tr>
<tr>
<td>9:10-10:00</td>
<td>8:45-10:00</td>
</tr>
<tr>
<td>10:10-11:00</td>
<td>10:10-11:25</td>
</tr>
<tr>
<td>11:35-12:25</td>
<td>11:35-12:50</td>
</tr>
<tr>
<td>1:35- 2:25</td>
<td>1:10- 2:25</td>
</tr>
<tr>
<td>2:35- 3:25</td>
<td>2:35- 3:50</td>
</tr>
</tbody>
</table>
Agriculture (Ag)

**FIRST TERM**
- **200 Agricultural Practice (2)**
  S. Goto
  Agricultural practice at the Pearl City Instructional Facility for beginning students and for non-agricultural students.
  Hrs. arr.
- **201 Agricultural Practice (2)**
  S. Goto
  Agricultural practice in individual and team projects at the Pearl City Instructional Facility. May be repeated.
  Hrs. arr.
- **399 Agricultural Thesis (v)**
  S. Goto
  Advanced individual work in field, laboratory, library government service practicum.
  Hrs. arr.

**SECOND TERM**
- **499 Directed Research (v)**
- **699 Directed Research (v)**
- **800 Thesis (v)**
  J. Wang
  Staff

Agronomy (Agron)

**FIRST TERM**
- **499 Directed Study (v)**
  Staff
  Pre: senior standing in agronomy; consent of instructor.
  Hrs. arr.
- **699 Directed Research (v)**
  Staff
  Pre: candidacy for M.S. degree; consent of instructor.
  Hrs. arr.
- **799 Directed Research (v)**
  Staff
  Pre: candidacy for Ph.D. degree; consent of instructor.
  Hrs. arr.
- **800 Thesis Research (v)**
  Staff

**SECOND TERM**
- **499 Directed Study (v)**
  Staff
  Pre: senior standing in agronomy; consent of instructor.
  Hrs. arr.
- **651 Advanced Techniques in Plant and Soil Analysis (3)**
  H. Young
  Methodology of the analysis of plant tissue and soil with emphasis on spectrophotometric, gas chromatographic, and automated techniques for the determination of inorganic and organic constituents.
  Pre: consent of instructor.
  MWF 2:00-4:30 p.m.
  Lab daily 9:30-11:20
- **699 Directed Research (v)**
  Staff
  Pre: candidacy for M.S. degree; consent of instructor.
  Hrs. arr.
- **799 Directed Research (v)**
  Staff
  Pre: candidacy for Ph.D. degree; consent of instructor.
  Hrs. arr.
- **800 Thesis Research (v)**
  Staff

Agricultural Economics (AgEc)

**FIRST TERM**
- **399 Directed Research (v)**
  Staff
- **699 Directed Research (v)**
  Staff
- **800 Thesis (v)**
  Staff

**SECOND TERM**
- **399 Directed Research (v)**
  Staff
- **640 Agriculture and Rural Development Administration (3)**
  N. Luykx
  Consideration of formal and informal organizations and structures of government and processes by which agricultural and rural development activities are formulated and carried out.
  MWF 2:00-4:30 p.m.
- **699 Directed Research (v)**
  Staff
- **800 Thesis (v)**
  Staff

Animal Sciences (AnSc)

**FIRST TERM**
- **499 Directed Research (v)**
  C. C. Brooks
- **699 Directed Research (v)**
  C. C. Brooks
- **800 Thesis (v)**
  Staff
SECOND TERM
499 Directed Research (v) C. C. Brooks
699 Directed Research (v) C. C. Brooks
800 Thesis (v) Staff

Entomology (Ento)

FIRST TERM
699 Directed Research (v) W. C. Mitchell
Directed research mainly for students majoring in entomology.
Hrs. arr.
800 Thesis Research (v) W. C. Mitchell
Thesis research required for all students enrolled under Plan A, the thesis program.
Hrs. arr.

SECOND TERM
699 Directed Research (v) W. C. Mitchell
Directed research mainly for students majoring in entomology.
Hrs. arr.
800 Thesis Research (v) W. C. Mitchell
Thesis research required for all students enrolled under Plan A, the thesis program.
Hrs. arr.

Food Science and Technology (FdSc)

FIRST TERM
699 Directed Research (v) Staff
Hrs. arr.
800 Thesis (v) Staff
Hrs. arr.

SECOND TERM
699 Directed Research (v) Staff
Hrs. arr.
800 Thesis (v) Staff
Hrs. arr.

Horticulture (Hort)

FIRST TERM
499 Directed Study (v) Staff
699 Directed Research (v) Staff
800 Thesis Research (v) Staff

SECOND TERM
499 Directed Study (v) Staff
699 Directed Research (v) Staff
800 Thesis Research (v) Staff

Plant Pathology (PPath)

FIRST TERM
499 Directed Research (v) O. V. Holtzmann
Hrs. arr.
699 Directed Research (v) O. V. Holtzmann
Hrs. arr.

SECOND TERM
499 Directed Research (v) O. V. Holtzmann
Hrs. arr.
699 Directed Research (v) O. V. Holtzmann
Hrs. arr.

Soils Science (Soils)

FIRST TERM
499 Directed Study (v) Staff
Pre: senior standing in soils; consent of instructor.
Hrs. arr.

650 Advanced Soil Fertility (4) R. Fox
Ion exchange, organic matter transformations, and mobility of nutrient and non-nutrient ions related to crop growth and composition.
Use of soil and plant analyses for estimating fertilizer requirements.
Pre: consent of instructor.
Hrs. arranged plus laboratory.
American Studies (Am St)

First Term

201 Introduction to American Civilization (3) D. Hibbard
Central themes of American life and literature studied in the perspectives of history, literature and the social sciences.
Daily 8:45-10:00

301 American Perspectives (3) P. Senecal
Studies of selected urgent problems of American life: the urban crisis, the deterioration of the environment, sex and race discrimination, poverty and plenty.
Daily 10:10-11:25

421 American Indians (3) H. Anderson
An examination of the American Indian from a historic, literary and sociological view.
Daily 1:10-2:25

429B Non-ethnic Minorities in American Life (3) F. Matson
Survey of minority groups in America: e.g., Women, the blind, the aged, homosexuals, delinquent youth and others.
Daily 11:35-12:50

439B Communication in America: Forms and Media (3) F. Matson
Survey of the major media of communication in the U.S.—history, technology, political and cultural influences.
Daily 1:10-2:25

454 Music in Modern America (3) R. Trimillos
Varieties of music, including jazz and other popular forms, in contemporary American society, with relevant antecedents. Pre: freshmen admitted only with permission of instructor. (Identical with Mus 370)
Daily 10:10-11:25

610C The American City (3) J. McCutcheon
Aspects of the modern American city including growth, government, social patterns and ethnic relations, economic and cultural functions and the city in literature and the arts.
Daily 8:45-10:00

Second Term

499 Directed Study (v) Staff
Pre: senior standing in soils; consent of instructor.
Hrs. arr.

699 Directed Research (v) Staff
Pre: candidacy for M.S. degree; consent of instructor.
Hrs. arr.

799 Directed Research (v) Staff
Pre: candidacy for Ph.D. degree; consent of instructor.
Hrs. arr.

800 Thesis Research (v) Staff
Hrs. arr.

Anatomy (Anat)

First Term

634 Experimental Methods in the Study of Reproductive Behavior (v) M. Diamond
Individual research on endocrine and neural aspects of sexual behavior in experimental animals. Pre: one year of psychology; one year of zoology; consent of instructor.
Hrs. arr.

699 Directed Research (v) Staff
Pre: candidacy for M.S. degree; consent of instructor.
Hrs. arr.

799 Directed Research (v) Staff
Pre: candidacy for Ph.D. degree; consent of instructor.
Hrs. arr.

800 Thesis Research (v) Staff
Hrs. arr.

Second Term

634 Experimental Methods in the Study of Reproductive Behavior (v) M. Diamond
Individual research on endocrine and neural aspects of sexual behavior in experimental animals. Pre: one year of psychology; one year of zoology; consent of instructor.
Hrs. arr.
599 Directed Research (v) 
J. Hoffmann

Each graduate student selects preceptor and a problem compatible with laboratory equipment and experimental animals required. Several students may work on various aspects of a general problem currently under study. Students learn specific techniques, methodology and pitfalls of experimental research under close guidance by faculty member. Pre: consent of instructor.
Hrs. arr.

800 Thesis Research (v) 
J. Hoffmann

Pre: consent of adviser.
Hrs. arr.

ANTHROPOLOGY (Anth)

FIRST TERM

150 Introduction to Anthropology (3) 
C. Langlas

Major principles and theoretical orientations of physical anthropology, archaeology and ethnology. With grade of A or B, may serve as an introductory requirement to upper division courses; intended for non-majors.
Daily 8:45-10:00

200 Cultural Anthropology (3) 
C. Langlas

Nature of culture; introduction to basic concepts for analyzing cultural behavior; patterning, integration, and dynamics of culture; culture and the individual.
Daily 11:35-12:50

215 Physical Anthropology (3) 
Staff

Introduction to physical anthropology: primatology, fossil man, heredity, modern man, human growth and constitution.
Daily 10:10-11:25

385B Undergraduate Proseminar (3) 
D. Tuggle

Reporting and discussion of selected problems in current research. The course is taught as part of special summer research programs and application must be made to the programs prior to summer session.
Hrs. arr.

399 Directed Reading or Research (v) 
Staff

Pre: 2.7 grade-point ratio, or 3.0 grade-point in anthropology and written consent of instructor.
Hrs. arr.

414 Introduction to Linguistic Anthropology (3) 
J. Bilmes

Introduction to the ethnographic study of speech and language. Pre: written consent of instructor. (Identical to Ling 414)
Daily 10:10-11:25

460B Regional Archaeology (3) 
D. Tuggle

Regional surveys of prehistoric cultures, based on archaeological research. The course is taught as part of special summer research programs and application must be made to the programs prior to summer session. Pre: 210.
Hrs. arr.

699 Directed Reading or Research (v) 
Staff

Pre: Classified graduate standing and written consent of instructor.
Hrs. arr.

SECOND TERM

150 Introduction to Anthropology (3) 
Staff

Major principles and theoretical orientations of physical anthropology, archaeology and ethnology. With grade of A or B, may serve as an introductory requirement to upper division courses; intended for non-majors.
Daily 8:45-10:00

200 Cultural Anthropology (3) 
Staff

Nature of culture; introduction to basic concepts for analyzing cultural behavior; patterning, integration, and dynamics of culture; culture and the individual.
Daily 10:10-11:25

210 Archaeology (3) 
P. Gathercole

Introduction to prehistoric archaeology; methods and techniques of excavation and laboratory analysis; brief survey of man's cultural growth in prehistoric times.
Daily 11:35-12:50

380 Archaeological Field Techniques (3) 
Y. Sinoto

Archaeological survey and excavations; mapping, photography, recording. The course is taught as part of special summer research programs and application must be made to the programs prior to summer session. Pre: 210.
Hrs. arr.

399 Directed Reading or Research (v) 
Staff

Pre: 2.7 grade-point ratio, or 3.0 grade-point in anthropology, and written consent of instructor.
Hrs. arr.

ART (Art)

Except as noted, completion of introductory studio courses 113, 114, 115, 116 and 101 are the prerequisites to all studio courses numbered 200 and above. Art 101 should be taken concurrently with introductory studio courses in numerical sequence, and in pairs (113 & 114; 115 & 116).

101 is the prerequisite to all history of art courses but other appropriate preparation may be substituted with the consent of the instructor.

For all courses with prerequisites, waivers may be granted for equivalent experience.

It is the policy of the department to retain selected student works for educational purposes with the consent of the students.

FIRST TERM

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

Nature of visual art and its expression in various forms. Lectures, demonstrations. Offered only as CR/NC.
Daily 8:45-10:00

105 Elementary Studio—Ceramics (3) 
F. Beaver

Studio experience mainly for non-majors. Lectures and projects. Credit cannot count towards major requirements in art.
Daily 7:20-10:00

106 Elementary Studio—Sculpture (3) 
F. Roster

Studio experience mainly for non-majors. Lectures and projects. Credit cannot count towards major requirements in art.
Daily 10:10-12:50

107 Elementary Studio—Photography (3) 
N. Shapiro

Studio experience mainly for non-majors. Lectures and projects. Credit cannot count towards major requirements in art.
Daily 7:20-10:00

108 Elementary Studio—Drawing and Painting (3) 
M. Junkin

Studio experience mainly for non-majors. Lectures and projects. Credit cannot count towards major requirements in art.
Daily 1:10-3:50
113 Introductory Studio "A" (3)  R. Davidson
Emphasis on perception: visual responses to nature; materials, techniques, modes of representation. Problems in two and three dimensions involving photography, drawing, painting, sculpture and construction. Pre: 101 (may be taken concurrently). Offered only as CR/NC.
Daily 10:10-12:50

114 Introductory Studio "B" (3)  R. Davidson
Emphasis on light: environmental; general intensity; value range; sources; chiaroscuro; pattern; principles of color. Problems in two and three dimensions involving drawing, painting, sculpture, design. Pre: 101 (may be taken concurrently). Offered only as CR/NC.
Daily 7:20-10:00

115 Introductory Studio "C" (3)  J. Wisnosky
Emphasis on space: environmental; actual and illusionary; changing spatial systems and space modifiers. Problems in two and three dimensions involving drawing, painting, sculpture, design. Pre: 101 (may be taken concurrently). Offered only as CR/NC.
Daily 10:10-12:50

116 Introductory Studio "D" (3)  J. Wisnosky
Emphasis on time, motion, systems: visual kinetics sequence, rhythm, order and systems. Problems in two and three dimensions involving drawing, painting, sculpture, design. Pre: 101 (may be taken concurrently). Offered only as CR/NC.
Daily 7:20-10:00

207 Photography A (3)  N. Shapiro
Camera as tool of expression and photography as basic art forms. Student required to have own camera.
Daily 10:10-12:50

213 Life Drawing (3)  S. Kimura
Drawing from the model.
Daily 7:20-10:00

223 Painting "A" (3)  J. Wisnosky
Painting from studio and outdoor subject matter. Elements of pictorial style.
Daily 10:10-2:00

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

243 Ceramics A (3)  F. Beaver
Introduction to ceramic forms using hand building and wheel throwing techniques. Introduction to glazing techniques and surface treatment. Seminars.
Daily 10:10-12:50

244 Ceramics B (3)  C. Horan
Daily 10:10-12:50

253 Sculpture (3)  F. Roster
Study of form and structure, using variety of materials and techniques. Seminars.
Daily 10:10-12:50

254 Intermediate Sculpture B (3)  F. Roster
Developing concepts of form and form relationships using a variety of materials with an emphasis on carving and casting. Seminars. Pre: 253.
Daily 7:20-10:00

270 Aspects of European and American Art (3)  M. Turnbull
Major developments in arts of Europe and America.
Daily 10:10-11:25

330 Advanced Textile Design (3)  M. Everson
Daily 10:10-12:50

341 Advanced Ceramics (3)  C. Horan
Wheel throwing or hand building. Individual development. Seminars. Pre: 244. May be repeated.
Daily 7:20-10:00

353 Advanced Sculpture (3)  F. Roster
Individual projects stressing experimentation and subjective approach to form. Seminars. Pre: 254, 255. May be repeated.
Daily 7:20-10:00

399 Directed Work (v)  P. Neogy
Pre: consent of instructor and chairman.
Hrs. arr.

402 Glass Blowing (3)  C. Horan
Continuation of 401. The designing, construction and using of molds to blow glass in, for utilitarian and sculptural objects. Construction of glass furnaces and lehrs.
Daily 10:10-12:50

630 Textile Design (3)  M. Everson
Individual problems in areas of specific interest within textile field. Seminars. Pre: consent of chairman and instructor. May be repeated.
Daily 10:10-12:50

647 Ceramics (v)  C. Horan
Individual problems in advanced ceramics using potter's wheel. Seminars. Pre: consent of chairman and instructor. May be repeated.
Daily 7:20-10:00

699 Directed Work (v)  Staff
Not more than 3 credits per semester for a total of 12 credits maximum. Pre: consent of instructor and chairman.
Hrs. arr.

SECOND TERM

105 Elementary Studio—Ceramics (3)  M. Takata
(2 sections)
Studio experience mainly for non-majors. Lectures and projects. Credit cannot count towards major requirements in art.
Daily (1) 8:45-11:25 Farrington High School
(2) 1:10-3:50 Farrington High School

108 Elementary Studio—Drawing and Painting (3)  D. Dugal
Studio experience mainly for non-majors. Lectures and projects. Credit cannot count towards major requirements in art.
Daily 7:20-10:00

113 Introductory Studio "A" (3)  M. Junkin
Emphasis on perception: visual responses to nature; materials, techniques, modes of representation. Problems in two and three dimensions involving photography, drawing, painting, sculpture and construction. Pre: 101 (may be taken concurrently). Offered only as CR/NC.
Daily 7:20-10:00

114 Introductory Studio "B" (3)  M. Junkin
Emphasis on light: environmental; general intensity; value range; sources; chiaroscuro; pattern; principles of color. Problems in two and three dimensions involving drawing, painting, sculpture, design. Pre: 101 (may be taken concurrently). Offered only as CR/NC.
Daily 10:10-12:50

216 Printmaking—Lithography (3)  J. Dunn
Technical controls; development of concepts appropriate to lithography.
Daily 7:20-10:00
ASIAN STUDIES (Asian)

FIRST TERM

241 Civilizations of Asia (3)  B. McKnight
Historical survey of major civilizations of Asia from earliest times to 1500, including East Asia, Southeast Asia and South Asia. (Identical with Hist 241)
Daily 10:10-11:25

242 Civilizations of Asia (3)  V. Morris
Historical survey of major civilizations of Asia from 1500 to present, including East Asia, Southeast Asia and South Asia. (Identical with Hist 242)
Daily 1:10-2:25

601 Contemporary Chinese Studies Seminar (3)  S. Uhalley
Readings and research into selected aspects of modern and contemporary China. Research paper required. Pre: Hist 409, 410 or equivalent. (Identical with Hist 725)
TTh 1:00-4:00

SECOND TERM

410 Symbolism in Chinese Literature and Art (2)  Y. Chiang
Interpretative survey of symbolism in Chinese literature and art, and the relationship to Chinese thought and life from the beginning to the present days. General topic: the origin and development of

BIOCHEMISTRY (Bioch)

FIRST TERM

241 Fundamentals of Biochemistry (3)  H. Mower
Introduction to biological chemistry stressing the integration of the fundamental concepts of general chemistry, inorganic chemistry and biochemistry with broad application of these principles to the study of life chemistry and in health and in sickness.
Daily 8:45-10:00

499 Directed Research and Reading (v)  Staff
Hrs. arr.

605 Medical Biochemistry (3)  N. Bhagavan
Survey of the field of biochemistry with particular emphasis upon contributions of this subject to the medical and biological sciences. The experimental aspects of biochemical principles will be presented through demonstrations. Pre: Chem 113-114, 243, 244 or by consent of instructor.
Daily 11:35-12:25

SECOND TERM

341 Elements of Biochemistry (3)  H. Mower
Description of biochemical principles and concepts as applied to living systems. Course will include sufficient organic chemistry necessary for an understanding of these principles.
Daily 8:45-10:00

441 Basic Biochemistry (4)  M. Mandel
Lectures on function and composition of biological substances and their metabolic transformation in animals, plants, micro-organisms. Pre: Chem 113-114, 243, 244 or equivalent.
Daily 8:45-10:00

499 Directed Research and Reading (v)  Staff
Hrs. arr.

606 Medical Biochemistry (3)  N. Bhagavan
Survey of the field of biochemistry with particular emphasis upon contributions of this subject to the medical and biological sciences. The experimental aspects of biochemical principles will be presented through demonstrations. Pre: Chem 113-114, 243, 244 or by consent of instructor.
Daily 11:35-12:50

799 Directed Research (v)  Staff
Hrs. arr.
BIOPHYSICS (Bioph)

FIRST TERM
499 Directed Research and Reading (v) Staff
Hrs. arr.
799 Directed Research (v) Staff
Hrs. arr.

SECOND TERM
499 Directed Research and Reading (v) Staff
Hrs. arr.
799 Directed Research (v) Staff
Hrs. arr.

BOTANY (Bot)

FIRST TERM
105 Ethnobotany (3) Staff
Plants and their influence upon culture of Hawaii and Pacific; uses of cultivated and wild plants.
Daily 11:35-12:50
399 Botanical Problems (v) Staff
Limited to senior majors with 2.7 grade-point ratio, or 3.0 grade-point ratio in botany. May be repeated.
426 History of Biology (3) J. Ewan
Growth of biological concepts from primitive man to 20th century considered against world geography, social history, geopolitics and the rise of scientific societies, expeditions, and field stations. (Identical with Sci 426)
Daily 10:10-11:25
466 Botany of Cook’s Voyages (2) J. 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 development of biological concepts. (Identical with Sci 466)
Daily 7:45-8:35
612 Advanced Botanical Problems (v) Staff
Investigation of any botanical problem: reading and laboratory work. Pre: consent of instructor. May be repeated.
699 Directed Research (v) Staff
Pre: candidacy for M.S. degree; consent of instructor.
799 Directed Research (v) Staff
Pre: candidacy for Ph.D. degree; consent of instructor.
800 Thesis Research (v) Staff

SECOND TERM
160 Identification of Tropical Plants (2) K. Nagata
Non-technical course in identification of common plants of tropics. Not open to students who have had 461, not credited for botany major.
Daily 11:35-12:25
181 Plant Life of the Sea (4) S. Murray
The kinds of marine plants, the algae and seaweeds, where they grow, and the part they play in the productivity of the sea. Pre: an introductory college biology course. Seashore trips.
Daily 7:45-8:35 Lab daily (1) 8:45-9:45 (2) 10:10-11:10

BUSINESS ADMINISTRATION

Accounting (Acc)

FIRST TERM
201 Elementary Accounting I (3) T. Kimball, R. Baird
(2 sections)
Introduction to accounting theory and methods used to record and report financial information; analysis of methods for valuing the assets, liabilities, and ownership of an organization. Pre: sophomore standing.
Daily (1) 10:10-11:25 (Kimball) Lab MW 2:35-3:50
(2) 1:10-2:25 (Baird) TTh 2:35-3:50
202 Elementary Accounting II (3) W. Wee
(2 sections)
Introduction to methods for evaluating financial performance, including cost accounting, budgeting, break even analysis, ratio analysis, and sources and uses of funds. Pre: 201.
Daily (1) 10:10-11:25 Lab MW 1:10-2:25
(2) 11:35-12:50 TTh 1:10-2:25
307 Income Tax Problems (3) C. Spencer
Study of the concepts involved in determination of federal income tax liability and preparation of tax returns, with emphasis on tax problems of individuals, tax research, and tax planning. Pre: 202.
Daily 8:45-10:00
321 Financial Accounting I (3) J. Smith
Daily 10:10-11:25
325 Financial Accounting III (3) J. Smith
Daily 8:45-10:00

SECOND TERM
201 Elementary Accounting I (3) R. Baird
Introduction to accounting theory and methods used to record and report financial information; analysis of methods for valuing the assets, liabilities, and ownership of an organization. Pre: sophomore standing.
Daily 1:10-2:25 Lab TTh 2:35-3:50
202 Elementary Accounting II (3) T. Kimball
Introduction to methods for evaluating financial performance, including cost accounting, budgeting, break even analysis, ratio analysis, and sources and uses of funds. Pre: 201.
Daily 7:20-8:35 Lab MW 1:10-2:25
305 Cost Accounting (3)  
Output of cost accounting systems relevant to managerial decision making, planning, and control. Topics include: job order, process, direct, and standard cost systems, with emphasis on the creative application and analysis of costs. Pre: 202.  
Daily 8:45-10:00

323 Financial Accounting II (3)  
Application of generally accepted accounting principles to accounting for corporate equities, long-term debt, investments, funds flow, and analysis of financial statements. Pre: 321.  
Daily 10:10-11:25

331 Auditing (3)  
Auditing concepts including standards, objectives, and ethics for external auditors. Emphasis on reporting standards, internal control, evidence, statistical sampling, and EDP audits. Pre: 305 and 323 or 365.  
Daily 10:10-11:25

Business (Bus)

FIRST TERM

501 Accounting (3)  
Basic concepts and procedures with emphasis upon cost accumulation and preparation, analysis and uses of financial statements.  
May 15-July 5  
MW 6:15-9:00 p.m.

502 Economic Analysis (3)  
Economic analysis and background of business firms: economic decisions and economic environment of business.  
May 15-July 5  
TTh 6:15-9:00 p.m.

503 Introduction to Quantitative Analysis (3)  
An elementary survey of basic tools for quantitative analysis for business.  
May 15-July 5  
MW 6:15-9:00 p.m.

601 Managerial Accounting (3)†  
May 15-July 5  
TTh 6:15-9:00 p.m.

621 Managerial Economics (3)  
Applications of economic analysis to wide variety of problems in business. Topics include management decision theory, profit, demand, production, cost, pricing, competition, capital budgeting. Pre: Bus 501, 502, 503, and 611 or equivalent.  
May 15-July 5  
TTh 6:15-9:00 p.m.

631 Finance (3)  
Analysis of fundamental financial problems. Financial planning and management, capital budgeting, securities and other financial instruments, financial markets, principal financial intermediaries.  
May 15-July 5  
TTh 6:15-9:00 p.m.

SECOND TERM

611 Statistical Methods of Business Analysis (3)  
Mathematical methods and techniques of statistical inference used in business. Pre: 503 or equivalent.  
July 8-August 15  
MW 6:15-9:00 p.m.

641 Management: A Systems Analysis (3)  
Introduction to the systems concept of management; provides a framework for conceptualizing the interrelationships among all factors relevant to the management process as an integrated whole. IS 600 will be accepted as a substitute. Pre: 504 and 505 or equivalent.  
July 8-August 27  
MW 6:30-9:15 p.m.

642 Behavioral Science for Business (3)  
Analysis of social and cultural forces that change the environmental context for management decision making. Business problems derived from changing patterns of life will be examined in terms of social sciences, such as: anthropology, psychology, and sociology. Pre: 504 or equivalent.  
July 8-August 27  
MW 6:30-9:15 p.m.

651 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. Pre: all 500 level courses or equivalent.  
Bus 611, 621. July 8-August 27  
TTh 6:30-9:15 p.m.

796 Business Policy (3)  
Analysis of comprehensive business problems to provide an integration of learning through the resolution of policy issues and through practice in administrative decision making.  
July 8-August 27  
TTh 6:30-9:15 p.m.

Business Analysis and Statistics (BAS)

FIRST TERM

121 Mathematics for Decision Making I (3)  
Applications of mathematical operations to business and economics; laws of algebra, algebraic operations, laws of exponents, theory of sets, relations and functions, linear equations, inequalities, vectors, matrix operations, and linear programming. Students may not earn credit for this and Math 134.  
Daily 7:30-8:35

122 Mathematics for Decision Making II (3)  
Applications of mathematical operations to business and economics; equations and their graphs, limits, continuity, derivatives and their use in minimax problems, partials, indefinite and definite integrals, techniques and applications, improper and numerical integrations, distribution functions and multiple integrals. Pre: 121. Students may not earn credit for this and Math 205 or BAS 125.  
Daily (1) 8:45-10:00 (Hamilton)  
(2) 1:00- 2:15 (Gordon)

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 aid to managerial decisions. Pre: 122 or 125, BEc 201 or equivalent.  
Daily (1) 10:10-11:25 (Portwood)  
(2) 11:35-12:50 (Gordon)

302 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 aid to managerial decisions. Pre: 122 or 125, BEc 201 or equivalent.  
Daily 1:00-2:15
305 Accelerated Business Statistics (3)  
R. Ibrahim  
Accelerated version of BAS 301-302 for qualified students, includes descriptive statistics, probability, decision making, statistical inference, time series, regression and correlation. Applications to business problems. Pre: 122 or 125 with a grade of B or better and BEc 201 or equivalent.  
Daily 1:00-2:15

321 Introduction to Quantitative Analysis (3)  
R. Peterson  
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. Pre: 302, 305, or concurrently.  
Daily 8:45-10:00

351 Introduction to Computers and Data Processing (3)  
R. Ibrahim  
Introduction to computer hardware and software systems, with emphasis on the impact of computers and their use in organizations. Actual experience in computer programming using an algorithmic language. (FORTRAN, BASIC, PL/1) Pre: 122 or 125. Students may not earn credit for this and ICS 301, 302, or GE 251.  
Daily 11:35-12:50

SECOND TERM

121 Mathematics for Decision Making I (3)  
L. Richards  
Applications of mathematical operations to business and economics; laws of algebra, algebraic operations, laws of exponents, theory of sets, relations and functions, linear equations, inequalities, vectors, matrix operations, and linear programming. Students may not earn credit for this and Math 134.  
Daily 7:20-8:35

122 Mathematics for Decision Making II (3)  
Y. Hahn  
Applications of mathematical operations to business and economics; equations and their graphs, limits, continuity, derivatives and their use in minimax problems, partials, indefinite and definite integrals, techniques and applications, improper and numerical integrations, distribution functions and multiple integrals. Pre: 121. Students may not earn credit for this and Math 205 or BAS 125.  
Daily 10:10-11:25

301 Business Statistics (3)  
R. Vowels  
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. Pre: 122 or 125, BEc 201 or equivalent.  
Daily 11:35-12:50

302 Business Statistics (3)  
B. Chu, Staff  
(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. Pre: 122 or 125, BEc 201 or equivalent.  
Daily (1) 10:10-11:25 (Staff)  
(2) 1:00-2:15 (Chu)

351 Introduction to Computers and Data Processing (3)  
R. Sprague  
Introduction to computer hardware and software systems, with emphasis on the impact of computers and their use in organizations. Actual experience in computer programming using an algorithmic language. (FORTRAN, BASIC, PL/1) Pre: 122 or 125. Students may not earn credit for this and ICS 301, 302, or GE 251.  
Daily 1:00-2:15
Business Economics (BEc)

FIRST TERM

201 Economic Environment of Business (3)  A. Kirkpatrick
Introduction to the principles of economics, role and responsibility of business in a market economy and current social and economic issues in American economy as they affect business and industry. Acquaintance with the existence of issues and their complexity stressed. Students may not earn credit for this and Econ 150, 151, or 120.
Daily 7:20-8:35

341 Economic Analysis for Decision Making (3)  K. K. Seo
General theory of choice. Demand analysis, production cost analysis; forms of market structure; demand creation and selling costs; factor income determination. Decision making under uncertainty will be introduced. Pre: 201, BAS 122 or equivalent. Students may not earn credit for this and Econ 301.
Daily (1) 7:20-8:35
(2) 10:10-11:25

343 Business Conditions Analysis (3)  T. Hailstones
Study of interrelationships of macroeconomic events and developments to microeconomic units. Special attention given to the role that GNP, national and regional growth rates, price and employment levels, and monetary and fiscal policies should play in strategic decision making of the firm. Pre: 201, BAS 122 or equivalent.
Students may not earn credit for this and Econ 340.
Daily 11:35-12:50

345 Money, Credit and the Capital Market (3)  A. Kirkpatrick
Nature and functions of money, debt and credit, liquidity; financial institutions and money market analysis; fund flow analysis. BEc 341 students may not receive credit for both BEc 345 and Econ 340. Pre: 201, BAS 122 or equivalent. Students may not earn credit for this and Econ 340.
Daily 10:10-11:25

349 Managerial Economics (3)  T. Hailstones
Application of economic and statistical concepts for business decisions using case study methods. Subjects cover projection of demand and production, cost analysis, problems of forecasting, multifactors and multiproducts, technological change; capital budgeting; input-output analysis and programming techniques. Pre: 341.
Daily 8:45-10:00

SECOND TERM

201 Economic Environment of Business (3)  W. Amioka
Introduction to the principles of economics, role and responsibility of business in a market economy and current social and economic issues in American economy as they affect business and industry. Acquaintance with the existence of issues and their complexity stressed. Students may not earn credit for this and Econ 150, 151, or 120.
Daily 7:20-8:35

341 Economic Analysis for Decision Making (3)  R. Vowels
General theory of choice. Demand analysis, production cost analysis; forms of market structure; demand creation and selling costs; factor income determination. Decision making under uncertainty will be introduced. Pre: 201, BAS 122 or equivalent. Students may not earn credit for this and Econ 301.
Daily 8:45-10:00

343 Business Conditions Analysis (3)  C. Nakanishi
Study of interrelationships of macroeconomic events and developments to microeconomic units. Special attention given to the role that GNP, national and regional growth rates, price and employment levels, and monetary and fiscal policies should play in strategic decision making of the firm. Pre: 201, BAS 122 or equivalent. Students may not earn credit for this and Econ 300.
Daily 11:35-12:50

349 Managerial Economics (3)  B. Chu
Application of economic and statistical concepts for business decisions using case study methods. Subjects cover projection of demand and production, cost analysis, problems of forecasting, multifactors and multiproducts, technological change; capital budgeting; input-output analysis and programming techniques. Pre: 341.
Daily 8:45-10:00

Business Law (BLaw)

FIRST TERM

300 Legal Environment of Business I (3)  W. Mett
Introduction to legal environment in which business operates with particular attention to principles of law relating to contracts, agency, partnerships, corporations and government regulation.
Daily 7:20-8:35

SECOND TERM

300 Legal Environment of Business I (3)  T. Kelso
Introduction to legal environment in which business operates with particular attention to principles of law relating to contracts, agency, partnerships, corporations and government regulations.
Daily 7:20-8:35

Finance (Fin)

FIRST TERM

300 Business Finance (3)  G. Chu
Introduction to functions, techniques, and problems of business finance; investing in assets, financing strategies, planning and control.
Pre: Ace 202.
Daily 8:45-10:00

305 Problems of Business Finance (3)  G. Chu
Topics include working capital management, evaluation of capital expenditures, financial control and capital structure. Emphasis on widely used business practices along with critical evaluation. Case problems will be used. Pre: 300.
Daily 10:10-11:35

734 Investment Analysis and Management (3)  E. Jennings
Techniques of securities, theory of investment and investment decisions, applications to portfolio planning for institutional and individual investors. May 13-July 5
MW 6:15-9:00 p.m.

SECOND TERM

300 Business Finance (3)  W. Alberts
Introduction to functions, techniques, and problems of business finance; investing in assets, financing strategies, planning and control.
Pre: Ace 202.
Daily 10:10-11:35

311 Investments (3)  W. Alberts
Basic concepts of investment media and strategies. Topics include the investment environment, securities markets, alternative vehicles for investment, selection of securities, investment techniques and strategies, mutual funds, and personal portfolio management. Pre: 300.
Daily 8:45-10:00
Management (Mgt)

**FIRST TERM**

301 Management and Organizational Behavior (3) C. Reeser
Analysis of the management process including some concepts of the behavioral sciences, personnel, and labor relations.
Daily 8:45-10:00

302 Operations Management I (3) G. Smith
Management of the production and operations functions of an enterprise. Pre: BAS 302.
Daily 7:20-8:35

321 Facilities and Productivity Management (3) G. Smith
Facilities design, the management of production systems, and productivity analysis with emphasis on quantitative applications. Pre: 302.
Daily 8:45-10:00

341 Human Relations in the Organization (3) A. Whitehill
Contributions made by sociology, psychology, and related behavioral sciences to the understanding and prediction of human behavior in organizations. Pre: 301.
Daily 11:35-12:50

345 Business Policy (3) C. Reeser
Case studies in assessing alternative risks in solving policy problems; an interdisciplinary approach applying and integrating many subjects in college curriculum. Pre: all other core courses and graduating senior standing.
Daily 10:10-11:25

**SECOND TERM**

301 Management and Organizational Behavior (3) D. Ellis
Analysis of the management process including some concepts of the behavioral sciences, personnel, and labor relations.
Daily 7:20-8:35

302 Operations Management I (3) G. Smith
Management of the production and operations functions of an enterprise. Pre: BAS 302.
Daily 10:10-11:25

322 Operations Management Control (3) G. Smith
Inventory and production planning and control, manufacturing processes inspection and quality control, equipment selection and replacement analysis. Pre: 302.
Daily 8:45-10:00

341 Human Relations in the Organization (3) D. Ellis
Contributions made by sociology, psychology, and related behavioral sciences to the understanding and prediction of human behavior in organizations. Pre: 301.
Daily 8:45-10:00

345 Business Policy (3) L. Kelley
Case studies in assessing alternative risks in solving policy problems; an interdisciplinary approach applying and integrating many subjects in college curriculum. Pre: all other core courses and graduating senior standing.
Daily 10:10-11:25

Marketing (Mkt)

**SECOND TERM**

300 Principles of Marketing (3) J. Reimnuth
Fundamental concepts and problems of marketing within present economic, legal and social environments; consumer analysis, functional analysis, marketing institutions. Prerequisite to all other marketing courses.
Daily 11:35-12:50

315 Marketing Management (3) J. Reimnuth
Analysis and solution of problems involving pricing, distribution, product strategy, promotion and marketing research from management viewpoint. Economic and social responsibilities of marketing function emphasized. Pre: BEc 341.
Daily 1:10-2:25

321 Marketing Information Analysis (3) C. Nakanishi
Research aids to marketing management; nature of the research process; planning research including problems of sampling and measurement; experimental and non-experimental methods and techniques; analysis of data. Pre: BAS 302 or consent of instructor.
Daily 8:45-10:00

Personnel and Industrial Relations (PIR)

**FIRST TERM**

200 Career Placement (1) R. McArdle
Preparation for effective career placement; personal inventory, selecting field of interest, job market, preparation of resumes, employment interviews, employment decisions, initial career experience, progress. Primarily for juniors and seniors. May 28-June 10
Daily 9:10-10:00

**SECOND TERM**

200 Career Placement (1) R. McArdle
Preparation for effective career placement; personal inventory, selecting field of interest, job market, preparation of resumes, employment interviews, employment decisions, initial career experience, progress. Primarily for juniors and seniors. July 8-July 19
Daily 9:10-10:00

351 Personnel Administration (3) J. Barnes
Survey of the field covering such topics as recruitment, interviewing, selection, placement, training, transfers, promotion, appraisal, separation, health services, grievance handling, suggestion systems, communications, discipline, safety.
Daily 1:10-2:25

361 Labor Problems and Trade Unionism (3) P. Staudohar
Problems and economics of labor: history, structure, government, activities of trade unions; social and labor legislation.
Daily 11:35-12:50

363 Collective Bargaining and Dispute Settlement (3) P. Staudohar
Principles and concepts of collective bargaining; methods of settling disputes over rights and interests. Pre: 361.
Daily 1:10-2:25

Real Estate (RE)

**FIRST TERM**

300 Principles of Real Estate and Urban Land D. Bell
Economics (3)
Principles including legal, physical, economic elements; valuation, market analysis, finance; and public and private externalities affecting the allocation and utilization of real estate resources.
Daily 8:45-10:00

330 Property Valuation (3) D. Bell
Economic, social, legal, physical, factors influencing property values; emphasis on local residential market. Pre: 300.
Daily 7:20-8:35

773 Advanced Real Estate (3) E. Laitila
Application of business principles to real property resources: finance and investment, legal environment, concepts of value. May 15-July 5
MW 6:15-9:00 p.m.
SECOND TERM

300 Principles of Real Estate and Urban Land K. Solarana
Economics (3)
Principles including legal, physical, economic elements; valuation, market analysis, finance; and public and private externalities affecting the allocation and utilization of real estate resources.
Daily 8:45-10:00

310 Real Estate Law (3) K. Solarana
Application of property law to real estate business. Pre: 300.
Daily 11:35-12:50

Travel Industry Management (TIM)

FIRST TERM

100 Internship (0) D. Choy
200 hours of paid employment in hotel or tourist industry for each course. Employment obtained by student with help and approval of School. Enrollment is limited to majors in Travel Industry Management.
Hrs. arr.

200 Internship (0) D. Choy
200 hours of paid employment in hotel or tourist industry for each course. Employment obtained by student with help and approval of School. Enrollment is limited to majors in Travel Industry Management.
Hrs. arr.

300 Internship (1) D. Choy
200 hours of paid employment in hotel or tourist industry for each course. Employment obtained by student with help and approval of School. Enrollment is limited to majors in Travel Industry Management.
Hrs. arr.

400 Internship (1) D. Choy
200 hours of paid employment in hotel or tourist industry for each course. Employment obtained by student with help and approval of School. Enrollment is limited to majors in Travel Industry Management.
Hrs. arr.

SECOND TERM

100 Internship (0) D. Choy
200 hours of paid employment in hotel or tourist industry for each course. Employment obtained by student with help and approval of School. Enrollment is limited to majors in Travel Industry Management.
Hrs. arr.

200 Internship (0) D. Choy
200 hours of paid employment in hotel or tourist industry for each course. Employment obtained by student with help and approval of School. Enrollment is limited to majors in Travel Industry Management.
Hrs. arr.

300 Internship (1) D. Choy
200 hours of paid employment in hotel or tourist industry for each course. Employment obtained by student with help and approval of School. Enrollment is limited to majors in Travel Industry Management.
Hrs. arr.

400 Internship (1) D. Choy
200 hours of paid employment in hotel or tourist industry for each course. Employment obtained by student with help and approval of School. Enrollment is limited to majors in Travel Industry Management.
Hrs. arr.

CHEMISTRY (Chem)

FIRST TERM

114 General Chemistry (3) H. Zeitlin
Fundamental laws, principles, methods. Pre: 113. (Continuation of 113)
Daily 8:45-10:00

114L General Chemistry Laboratory (1) H. Zeitlin
Experiments illustrating fundamental principles of chemistry. Pre: 113L. credit or registration in 114.
TTh 1:00-5:00

133 Elementary Quantitative Analysis (2) Q. Fernando
Beginning gravimetric and volumetric analysis. Pre: 114-114L or 117-117L.
Daily 8:45-10:00

133L Elementary Quantitative Analysis Laboratory (2) Q. Fernando
(2 sections)
Gravimetric and volumetric analysis. Pre: credit or registration in 133.
Daily (1) 8:00-11:30
(2) 1:30- 5:00

243 Organic Chemistry (3) N. Juster
Carbon compounds. Topics include molecular structure, stereochemistry, nuclear magnetic resonance, reactions and methods of preparation of principal classes of organic compounds. Pre: 114-114L or 117-117L.
Daily 8:45-10:00

243L Organic Chemistry Laboratory (1) N. Juster
MWF 1:00-5:00

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

300 Real Estate Law (3) K. Solarana
Application of property law to real estate business. Pre: 300.
Daily 11:35-12:50
COMMUNICATION (Comun)

FIRST TERM

145 Interpersonal Communication (3)  D. Weller, S. Zahn
(2 sections)
Introduction to communication strategies and outcomes through participation in interpersonal communication activities.
Daily (1) 8:45-10:00 (Weller)
(2) 11:35-12:50 (Zahn)

200 Introduction to Theories of Communication (3)  T. Welden
Introduction to theory through a study of various models of the communication process. Involvement in dyadic and small group interaction to enhance knowledge of concepts.
Daily 10:10-11:25

261 Broadcasting (3)  R. Rider
Analysis and survey of radio and television as communications media. Attention to the interrelations of press, radio-TV, and film.
Daily 8:45-10:00

263B Broadcast Lab: Radio Production (3)  R. Rider
Introduction to equipment and operation of radio and television studios, and the roles of members of the production team. Basic production techniques.
Daily 10:10-11:25  Lab T 1:10-4:00

384 Communication Among Cultural Groups (3)  S. Sanderson
Survey of social-psychological and cultural variables which affect communication among peoples of different cultures. The use of this knowledge in understanding and facilitating social and cultural change.
Daily 11:35-12:50

SECOND TERM

145 Interpersonal Communication (3)  T. Zahn, E. Reese
(2 sections)
Introduction to communication strategies and outcomes through participation in interpersonal communication activities.
Daily (1) 10:10-11:25 (Zahn)
(2) 11:35-12:50 (Reese)

221 Communication Contexts for Creative Learning (3)  B. Byers
Building communication contexts that enhance learning outcomes. Developing a milieu that stimulates creative problem-solving. Emphasis on self-actualization processes and outcomes. Recommended for those seeking careers in teaching, management, counseling and guidance, medicine, social work.
Daily 8:45-10:00

263C Broadcast Lab: Television Production (3)  M. King
Introduction to equipment and operation of radio and television studios, and the roles of members of the production team. Basic production techniques.
Daily 8:45-10:00  Lab T 2:00-5:00

384 Communication Among Cultural Groups (3)  F. Rosario
Survey of social-psychological and cultural variables which affect communication among peoples of different cultures. The use of this knowledge in understanding and facilitating social and cultural change.
Daily 10:10-11:25

SPEECH-COMMUNICATION (SpCom)

FIRST TERM

651 Seminar in Rhetoric and Public Address (3)  S. Sanderson
Review of rhetoric and public address with special emphasis on the contemporary scene.
TTh 1:10-4:00

800 Thesis (v)  Staff
Hrs. arr.

SECOND TERM

785 Seminar in Speech-Communication in Innovation (3)  H. Ellingsworth
Role of speech and other forms of communication in facilitating adoption of new ideas and practices. Analysis of client systems and their relation to the agent of change. Development of criteria for measuring change.
TTh 1:10-4:00

800 Thesis (v)  Staff
Hrs. arr.

DRAMA AND THEATRE (Drama)

FIRST TERM

160 Introduction to Drama and Theatre (3)  W. D. Carroll
Representative plays studied as illustrative of changing forms in the theatre and dramatic literature.
Daily 8:45-10:00

201 Introduction to the Art of the Film (3)  W. D. Carroll
Introduction to aesthetic aspects of silent and sound movies. Technical subjects analyzed only as they relate to thematic and stylistic aspects of film.
MTWF 11:35-12:50 (lecture)  Th 7:00-9:00 p.m. (film showing)

221 Beginning Acting (3)  G. Cannon
Individual exercises and group rehearsals with emphasis on voice, movement, relaxation. Students must perform in direction class scenes.
Daily 11:35-12:50

281 Beginning Modern Dance (3)  C. Wolz
Introduction to basic technical skills and creative processes.
Daily 10:10-11:25

283 Beginning Ballet (3)  C. Wolz
Introduction to the vocabulary of movement of classical ballet.
Daily 8:45-10:00

299 Theatre Practice (3)  M. Boyd, S. Finney
Supervised work in one or two areas: stagecraft, lighting, costuming, make-up. Term paper required. May be repeated.
Daily 2:00-5:00

365 Contemporary Drama and Theatre (3)  E. Langhans
A survey of acting, directing, design, theatre architecture, and dramatic literature since 1945.
Daily 10:10-11:25

381 Intermediate Modern Dance (3)  Staff
Development of flexibility, control, rhythm, and expressiveness. Pre: 281-282 or consent of instructor. 381 prerequisite to 382.
Daily 1:10-2:25
383 Intermediate Ballet (3)  
N. Fuson  
Training in standard ballet combinations. Pre: 283-284 or consent of instructor. 383 prerequisite to 384.  
Daily 11:35-12:50

481 Advanced Modern Dance (3)  
Staff  
Emphasis upon performance of complete dances. Pre: 381-382 or consent of instructor. May be repeated.  
Daily 2:35-3:50

499 Directed Work (v)  
Staff  
Limited to senior majors with 2.7 grade-point ratio, or 3.0 grade-point ratio in drama and theatre.

799 Directed Work (v)  
Staff  
Reading or research in theatre theory or history; reading and practice in particular areas of dramatic production. Pre: consent of instructor.

800 Thesis Research (v)  
Staff  
Pre: consent of instructor.

SECOND TERM

221 Beginning Acting (3)  
G. Cannon  
Individual exercises and group rehearsals with emphasis on voice, movement, relaxation. Students must perform in direction class scenes.  
Daily 11:35-12:50

382 Intermediate Modern Dance (3)  
C. Wolz  
Development of flexibility, control, rhythm, and expressiveness. Pre: 281-282 or consent of instructor. 381 prerequisite to 382.  
Daily 8:45-10:00

384 Intermediate Ballet (3)  
N. Fuson  
Training in standard ballet combinations. Pre: 283-284 or consent of instructor. 383 prerequisite to 384.  
Daily 10:10-11:25

EAST ASIAN LANGUAGES

Chinese (Chnse)

FIRST TERM

101 Elementary Chinese (3)  
Staff  
(2 sections)  
Development of listening, speaking, reading, and writing. Structural points introduced inductively.  
Daily (1) 9:10-11:25 plus laboratory  
(2) 9:10-11:25 plus laboratory

103 Accelerated Elementary Chinese (6)  
Staff  
Accelerated course equivalent to Elementary Chinese of academic year. Includes all four skills: listening, speaking, reading, and writing. In addition to 25 hours of class work a week for 6 weeks, two periods of laboratory drill daily required. Pre: consent of instructor.  
Daily 8:30-11:00; 1:10-3:40 plus laboratory

105 Special Elementary Chinese (3)  
Staff  
Rapid introduction to spoken and written standard Chinese for students who already have some knowledge of the writing system (including students who have background in Cantonese, Hakka, Japanese, etc.). Content of Chinese 101-102 covered.  
Daily 9:10-11:25 plus laboratory
<table>
<thead>
<tr>
<th>Course</th>
<th>Staff</th>
<th>Course</th>
<th>Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>201 Intermediate Chinese (4)</strong></td>
<td>Staff</td>
<td><strong>201 Intermediate Japanese (4)</strong></td>
<td>M. Sakihara, K. Shoji</td>
</tr>
<tr>
<td><strong>301 Third Level Chinese (4)</strong></td>
<td>Staff</td>
<td><strong>301 Third Level Japanese (4)</strong></td>
<td>Z. Song, Y. Habein</td>
</tr>
<tr>
<td>Emphasis on vocabulary building and extended mastery of sentence structures of modern Chinese through reading and related conversation. Daily 9:10-11:25 plus laboratory.</td>
<td></td>
<td>Study of modern spoken and written Japanese involving advanced structures, expressions, patterns, kyooiku kanji. Pre: 202 or equivalent. Daily (1) 8:45-11:00 plus laboratory (Song) (2) 10:10-12:25 plus laboratory (Habein)</td>
<td></td>
</tr>
<tr>
<td><strong>SECOND TERM</strong></td>
<td></td>
<td><strong>401 Fourth Level Japanese (4)</strong></td>
<td>S. Kurokawa</td>
</tr>
<tr>
<td><strong>102 Elementary Chinese (3)</strong></td>
<td>Staff</td>
<td>Study of modern spoken and written Japanese involving complicated structures, expressions, patterns, tooyo kanji. Pre: 302 or equivalent. Daily 8:45-11:00 plus laboratory.</td>
<td></td>
</tr>
<tr>
<td><strong>202 Intermediate Chinese (4)</strong></td>
<td>Staff</td>
<td>(2 sections)</td>
<td>(2 sections)</td>
</tr>
<tr>
<td>Continuation of 201; equivalent of second semester’s work in academic year. Language lab practice required daily. Daily 9:10-11:25 plus laboratory.</td>
<td></td>
<td>Continuation of 201; equivalent of second semester’s work in academic year. Daily 10:10-12:25 plus laboratory (Sugita) (2) 10:10-12:25 plus laboratory (Kinoshita)</td>
<td></td>
</tr>
<tr>
<td><strong>204 Accelerated Intermediate Chinese (8)</strong></td>
<td>Staff</td>
<td><strong>204 Accelerated Intermediate Japanese (8)</strong></td>
<td>M. Yoshikawa, E. McCrath</td>
</tr>
<tr>
<td>Accelerated course equivalent to Intermediate Chinese in academic year. Includes all four skills: listening, speaking, reading, and writing. In addition to 25 hours of class work a week for 6 weeks, two periods of laboratory drill daily required. Pre: consent of instructor. Daily 8:30-11:00; 1:10-3:40 plus laboratory.</td>
<td></td>
<td>Accelerated course equivalent to Intermediate Japanese in academic year. Includes all four skills: listening, speaking, reading, and writing. In addition to 25 hours of class work for 6 weeks, two periods of laboratory drill daily required. Pre: consent of instructor. Daily 8:30-11:00; 1:10-3:40 plus laboratory.</td>
<td></td>
</tr>
<tr>
<td><strong>206 Special Intermediate Chinese (4)</strong></td>
<td>Staff</td>
<td><strong>302 Third Level Japanese (4)</strong></td>
<td>N. Yamamoto, Y. Kusanagi</td>
</tr>
<tr>
<td>Rapid introduction to spoken and written standard Chinese for students who already have some knowledge of the writing system (including students who have background in Cantonese, Hakka, Japanese, etc.). Content of 201-202 covered. Daily laboratory work. Pre: 105 or equivalent. Daily 9:10-11:25 plus laboratory.</td>
<td></td>
<td>Continuation of 301; equivalent of second semester’s work in academic year. Language lab practice required daily. Daily (1) 8:45-11:00 plus laboratory (Kusanagi) (2) 10:10-12:25 plus laboratory (Yamamoto)</td>
<td></td>
</tr>
<tr>
<td><strong>302 Third Level Chinese (4)</strong></td>
<td>R. Askman</td>
<td><strong>302 Third Level Japanese (4)</strong></td>
<td>N. Yamamoto, Y. Kusanagi</td>
</tr>
<tr>
<td>Emphasis on vocabulary building and extended mastery of sentence structures of modern Chinese through reading and related conversation. Daily 9:10-11:25 plus laboratory.</td>
<td></td>
<td>Continuation of 301; equivalent of second semester’s work in academic year. Language lab practice required daily. Daily (1) 8:45-11:00 plus laboratory (Kusanagi) (2) 10:10-12:25 plus laboratory (Yamamoto)</td>
<td></td>
</tr>
<tr>
<td>Accelerated course equivalent to Elementary Japanese in academic year. Includes all four skills: listening, speaking, reading, and writing. In addition to 25 hours a week of class work for 6 weeks, two periods of laboratory drill daily required. Pre: consent of instructor. Daily (1) 8:30-11:00; 1:10-3:40 plus laboratory (Takeuchi) (2) 8:30-11:00; 1:10-3:40 plus laboratory (Herring, Hijirida) (3) 8:30-11:00; 1:10-3:40 plus laboratory (Hijirida, Yamamoto)</td>
<td></td>
<td>Continuation of 401; equivalent to second semester’s work in academic year. Language lab practice required daily. Daily 8:45-11:00 plus laboratory.</td>
<td></td>
</tr>
</tbody>
</table>

### Japanese (Jpnse)

#### FIRST TERM

<table>
<thead>
<tr>
<th>Course</th>
<th>Staff</th>
<th>Course</th>
<th>Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>Development of four skills: listening, speaking, reading, and writing. Structural points introduced inductively. Language lab practice required daily. Daily (1) 7:45-10:00 plus laboratory (Uchida) (2) 7:45-10:00 plus laboratory (Kayoda) (3) 9:10-11:25 plus laboratory (Taylor) (4) 9:10-11:25 plus laboratory (Takeshita) (5) 9:10-11:25 plus laboratory (Hasegawa) (6) 11:35-1:50 plus laboratory (Takeshita, Kayoda) (7) 11:35-1:50 plus laboratory (Takeshita, Hasegawa) (8) 11:35-1:50 plus laboratory (Taylor, Uchida)</td>
<td></td>
<td>Continuation of 301; equivalent of second semester's work in academic year. Language lab practice required daily. Daily (1) 8:45-11:00 plus laboratory (Kusanagi) (2) 10:10-12:25 plus laboratory (Yamamoto)</td>
<td></td>
</tr>
<tr>
<td>Accelerated course equivalent to Elementary Japanese in academic year. Includes all four skills: listening, speaking, reading, and writing. In addition to 25 hours a week of class work for 6 weeks, two periods of laboratory drill daily required. Pre: consent of instructor. Daily (1) 8:30-11:00; 1:10-3:40 plus laboratory (Takeuchi) (2) 8:30-11:00; 1:10-3:40 plus laboratory (Herring, Hijirida) (3) 8:30-11:00; 1:10-3:40 plus laboratory (Hijirida, Yamamoto)</td>
<td></td>
<td>Continuation of 401; equivalent to second semester’s work in academic year. Language lab practice required daily. Daily 8:45-11:00 plus laboratory.</td>
<td></td>
</tr>
</tbody>
</table>

### EAST ASIAN LITERATURE

#### Chinese (ChLit)

#### FIRST TERM

<table>
<thead>
<tr>
<th>Course</th>
<th>Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>262 Chinese Literature in Translation: Modern (3)</strong></td>
<td>Y. W. Ma</td>
</tr>
<tr>
<td>Survey from the Sung Period to the contemporary era, with emphasis on drama and prose fiction. Daily 10:10-11:25</td>
<td></td>
</tr>
</tbody>
</table>
ECONOMICS (Econ)

FIRST TERM

120 Introduction to Economics (3)  
H. Miller  
One-semester course for non-majors. Provides general understanding of functioning of economic systems, including various approaches to organization of production and allocation of resources, and of policies designed to achieve national economic goals. Credit not given for both this course and 150.  
Daily 10:10-11:25

150 Principles of Economics: Macro (3)  
J. Haines  
Analysis of functioning of economic systems with emphasis on forces determining levels and changes of national income, employment, and price levels. Describes basic economic institutions, e.g., markets, money, banks, labor organizations, corporations. Credit not given for both this course and 120.  
Daily 11:35-12:50

220 Mathematics for Social Scientists (3)  
J. Monceur  
Basic mathematics as used in economics, emphasizing development of usable and accurate knowledge of appropriate concepts. Topics include: graphs, sets and functions; matrices, determinants and linear equation systems; differentiation, partial derivatives and total differentials, and the calculus of optimization; integration; log and exponential functions.  
Daily 8:45-10:00

300 Intermediate Economic Theory: Macroeconomic Analysis (3)  
R. Ebel  
Concepts: determination of income, employment, price levels; effects of fiscal, monetary, other policies. Pre: 150.  
Daily 11:35-12:50

404 History of Economic Thought (3)  
J. Overbeek  
Survey of economic thought from Adam Smith to present with emphasis on theory of value and distribution. Pre: 300, 301.  
Daily 8:45-10:00

460 International Trade and Welfare (3)  
Y. Yeh  
Theory of international trade and welfare: international specialization and exchange, general equilibrium, tariffs, quotas, common markets, including welfare implications. Pre: 301 or 360.  
Daily 10:10-11:25

SECOND TERM

120 Introduction to Economics (3)  
J. Mak  
One-semester course for non-majors. Provides general understanding of functioning of economic systems, including various approaches to organization of production and allocation of resources, and of policies designed to achieve national economic goals. Credit not given for both this course and 150.  
Daily 8:45-10:00

151 Principles of Economics: Micro (3)  
M. Ghali  
Analysis of how commodity and factor prices are determined. Discusses policies for efficient allocation of scarce resources. Required of all economics majors.  
Daily 8:45-10:00

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

321 Introduction to Statistics (3)  
R. Rice  
Basic elements of statistics, including descriptive statistics, probability and inference, distributions, hypothesis testing, and regression and correlation analysis.  
Daily 11:35-12:50

415 Asian Economic Development (3)  
Staff  
Study of history and economic development of Asian nations. Resources, population and income, savings, investment and consumption patterns. Role of government and private enterprise. Pre: 150-151 or consent of instructor.  
Daily 11:35-12:50

461 International Monetary Economics (3)  
Y. Yeh  
International monetary theory: balance of payments, income, price level, and exchange rate determination in open economies, international capital movements, the role of international reserves, and current international monetary problems. Pre: 300 or 360.  
Daily 8:45-10:00

700 Seminar: Macroeconomic Theory (3)  
T. Scitovsky  
Critical evaluation and application of macroeconomic theory. Pre: 660.  
MW 1:10-3:50

EDUCATION

Curriculum and Instruction (Ed CI)

Courses numbered from 312 through 399 have as prerequisite enrollment in the College of Education as a classified student.

FIRST TERM

312C Foundations in Curriculum and Instruction: Elementary Education (3)  
M. Lang  
Study of objectives and organization of school's curriculum; discussion of principles and practices: roles of teacher in school.  
Daily 8:45-10:00

312D Foundations in Curriculum and Instruction: Secondary Education (3)  
F. Brown  
Study of objectives and organization of school's curriculum; discussion of principles and practices: roles of teacher in school.  
Daily 7:20-8:35

319 Children's Literature (3)  
M. Austin  
(2 sections)  
Acquaintance with wide range of children's books; criteria for judging literature on basis of needs and interests; investigation of teaching strategies: field practicum. Pre: 312 or concurrent registration.  
Daily (1) 7:20-8:35  
(2) 10:10-11:25

320 Language Arts, Elementary (3)  
V. Chattopadhyay  
Modern approach to teaching of language arts—reading, oral, written expression. Pre: 312 or concurrent registration.  
Daily 10:10-11:25

321 Reading, Elementary (3)  
K. Young  
(2 sections)  
Survey of reading process: development of reading readiness, word recognition, comprehension, reading rate, vocabulary, reading interests, reading in content areas. Selection and use of reading materials, evaluation and appraisal of reading progress. Pre: 312 or concurrent registration.  
Daily (1) 7:20-8:35  
(2) 10:10-11:25

322 Social Studies, Elementary (3)  
M. Lang  
Major purposes: to point out special contributions of social studies to elementary curriculum; to aid students in developing sound instructional programs and procedures in elementary social studies. Pre: 312 or concurrent registration.  
Daily 11:35-12:50
324 Mathematics, Elementary (3) A. Picard
Purposes, procedures, scope, organization in developing underlying concepts of elementary mathematics; analysis of new elementary mathematics programs; techniques, relative merits, roles of inductive and deductive approaches to new ideas. Pre: 312 or concurrent registration; Math 111.
Daily 8:45-10:00

330 Language Arts, Secondary (3) P. Whitesell
Teaching of speaking, reading, writing, listening in secondary school; literature, grammar, usage, spelling. Pre: 312 or concurrent registration.
Daily 11:35-12:50

332 Social Studies, Secondary (3) F. Brown
Scope and organization of social studies in secondary school; development of social knowledge and understanding. Pre: 312 or concurrent registration.
Daily 10:10-11:25

345 Literature for Adolescents (2) P. Whitesell
Literature for secondary school level; helping students appreciate significance and meaning of literature; materials suitable for varying levels of ability and interests. Pre: 312 or concurrent registration.
Daily 9:10-10:00

399 Directed Reading (v) M. Reddin
Individual reading or research. Limited to senior majors with 2.7 grade-point ratio, or 3.0 grade-point ratio in education. Pre: consent of instructor and department chairman.
Hrs. arr.

540(8) Practicum in Curriculum Development: A. Picard
Mathematics—Implementing Metric System in Elementary School (1)
Daily 11:35-12:25

540(9) Practicum in Curriculum Development: F. Pottenger
Science (FAST PROJECT) (v)
Daily 8:00-4:00

SECOND TERM

Courses numbered from 312 through 399 have as prerequisite enrollment in the College of Education as a classified student.

320 Language Arts, Elementary (3) N. Izutsu
Modern approach to teaching of language arts—reading, oral, written expression. Pre: 312 or concurrent registration.
Daily 10:10-11:25

322 Social Studies, Elementary (3) S. Jackstadt
Major purposes: to point out special contributions of social studies to elementary curriculum; to aid students in developing sound instructional programs and procedures in elementary social studies. Pre: 312 or concurrent registration.
Daily 7:20-8:35

323 Science, Elementary (3) R. Campbell
Science education in elementary school; methods and materials; laboratory activities selected from new science curricula. Pre: 312 or concurrent registration.
Daily 8:45-10:00

326 Creative Art, Elementary (3) A. Pickens
Understanding scope and importance of art in elementary school curriculum, creative use of art media through laboratory experiences. Pre: 312 or concurrent registration.
Daily 8:45-10:00

329 Creative Expression in Elementary Education (3) E. Hayes
Development of communication skills through creative dramatics, rhythmic movement, related arts. Pre: 312 or concurrent registration or consent of instructor. July 22-August 15
Daily 7:30-10:00

488 Creative Process in Development and Learning (3) E. Hayes
Study of creative process and its values in education. Designed to modify behaviors of classroom teacher in identifying and encouraging creative ability of children. Many teaching models examined and assessed as to their usefulness in developing creative teaching. Laboratory experiences will include experimentation with several models. Pre: teaching experience or consent of instructor. July 22-August 15.
Daily 10:10-12:50

498 Poetry in Elementary School Curriculum (3) Staff
Course designed to help classroom teacher develop background in children's poets and their poetry and methods of selecting and using this genre in classroom. Pre: 319.
Daily 8:45-10:00

527 Methods and Materials for the Study of Hawaii (3) D. Hazama
Course on State of Hawaii organized to have island teachers study content, materials, and activities that may be used particularly in grades 4-7 in Hawaii schools. Pre: 312 or concurrent registration or teaching experience: 322.
Daily 10:10-11:25

540(10) Practicum in Curriculum Development: S. Jackstadt
Social Studies
Designed for teachers-in-service to upgrade subject matter and develop new teaching methods and materials for instruction in social studies education. Development of curriculum materials and methods by participating teachers. Pre: 322 or 332; teaching experience. May be repeated for credit.
Daily 10:10-11:25

540(11) Practicum in Curriculum Development: J. Chun
Speech (3)
Daily 8:45-10:00

540(13) Practicum in Curriculum Development: A. Costa
General Curriculum and Teaching Problems (3)
Designed for improvement of instruction through the study of basic teaching behaviors, to develop skills of self analysis and evaluation. Additionally, an in-depth study of several teaching strategies using these behaviors: inquiry, Taba's strategies for developing higher level thinking skills, role playing simulation. Open to teachers for all grade levels and subject areas. July 8-26
Daily 7:20-10:50

540(14) Practicum in Curriculum Development: J. Hawkins, Staff
Asian Studies (3)
Designed for teachers-in-service to upgrade subject matter and develop new teaching methods and materials for instruction in Asian studies, specifically China. Development of curriculum materials and methods by participating teachers. Pre: teaching experience. May be repeated for credit with different content.
Daily 10:10-11:25

619 Children's Literature in the Elementary Curriculum (3) Staff
Examination in depth of traditional and modern literature for children with emphasis upon genre, historical development, research, curriculum development. Pre: 319.
Daily 11:35-12:50
620 Teaching Reading in the Elementary School (3) B. Uehara
(2 sections)
Daily (1) 7:20-8:35
(2) 10:10-11:25

621 Modern Language Arts Program, Elementary (3) N. Izutsu
Critical examination of educational procedures in teaching of language arts; current research including that related to language deprivation and linguistic science. Pre: 320 and teaching experience.
Daily 7:20-8:35

622 Elementary School Curriculum (3) A. Costa
Theoretical foundations of curriculum development; curriculum research; critical examination of current practices in curriculum development for elementary school. Pre: 312 or equivalent; teaching experience.
Daily 11:35-12:50

623 Elementary Science Curriculum (3) R. Campbell
Application of recent developments in science, curriculum construction, and learning theory to elementary school. Science content and methodology stressed. Pre: 323 and teaching experience, or the consent of the instructor.
Daily 10:10-11:25

626 Art in Elementary Education (3) A. Pickens
Principles of and problems in teaching art in elementary school; curriculum development and current approaches in art education; laboratory experiences in art media. Pre: 326.
Daily 10:10-11:25

635 Middle School Curriculum (3) D. Noda
Programs of schools serving the 10-14 age pupil group. Curriculum problems and trends; organizational and program patterns in schools variously titled junior high school, intermediate school and middle school. Analysis of relationship of teachers, administrators, community. Pre: teaching experience.
Daily 8:45-10:00

636 Secondary School Curriculum (3) R. Van Woert
Principles and techniques of curriculum improvement at secondary school level. Pre: teaching experience.
Daily 11:35-12:50

646 Reading Difficulties (3) K. Yamamoto
(2 sections)
Causes, prevention, and correction. Evaluation and remedial practices useful to classroom teacher. Pre: course in teaching of reading.
Daily (1) 8:45-10:00
(2) 11:35-12:50

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

722 Seminar in Elementary Curriculum Foundations (3)
(2 sections)
Advanced study in development and improvement of curriculum of elementary schools. Required for Plan B M.Ed. candidates in their final semester or summer session. Pre: 622; consent of instructor. May be repeated once for credit.
Daily 7:20-8:35 (Inn)
8:45-10:00 (Braun)

733 Seminar in Curriculum, Secondary (3) J. Baker, D. Noda
(2 sections)
Advanced study in development and improvement of curriculum of secondary schools. Required for Plan B M.Ed. candidates in their final semester or summer session. Pre: 636; consent of instructor. May be repeated once for credit.
Daily (1) 7:20-8:35 (Baker)
(2) 11:35-12:50 (Noda)

751 The Community College Curriculum (3) J. Baker
The curriculum and principles and techniques of curriculum improvement at the community college. Pre: consent of instructor.
Daily 8:45-10:00

Industrial Education (Ed IE)

FIRST TERM

300 Industrial Crafts—Jewelry and Lapidary M. Poyzer Processes (2)
Design, processes and materials of jewelry making; lapidary processes and materials for polishing semi-precious gemstones; black coral polishing and mounting.
Daily 7:45-9:45

402 Improvement of Instruction, Industrial M. Poyzer Education (3)
Consideration of problem in teaching industrial education. May be repeated for total of 6 credits.
Hrs. arr.
SECOND TERM

601 Introduction to Educational Administration (3)  R. Dunwell
Develops view of administrative process and organization elements in context of system of personal, social and physical variables. Emphasis on role and functions of school administrator. Daily 8:45-10:00

606 Student Personnel Services in Higher Education (3)  J. Comcowich
Philosophy, history, organization and administration of student personnel services at college and university levels including admissions, housing, student activities, financial aids, placement, counseling, health services. (Identical with Ed EP 606) Daily 8:45-10:00

610 School-Community Relations (3)  C. Araki
Application of principles, techniques, policies, organization of school-community information program. Daily 10:10-11:25

645 Principles of School Management (3)  S. Varney
Relates identified management functions to operational problems of school administrators at various organizational levels. Principles and issues of management in relationship to practice of school administration. Daily 1:10-2:25

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

780 Seminar in Higher Education Administration (3)  R. Dunwell
Study in trends, research and problems of higher education administration. Daily 11:35-12:50

800 Thesis Research (v)  Staff

EDUCATION

SECOND TERM

400 or its equivalent is a prerequisite for majors in Educational Communications.

Undergraduate courses: Department offers a few courses for undergraduate students, primarily those preparing themselves for a teaching career.

314 Audio-Visual Techniques (3)  L. Lum
Nature and use of educational media as they relate to pupil needs in classroom learning situations. Identification, use, and evaluation of audio-visual instructional materials; application of known principles in educational media in classroom communications. Daily 8:45-10:00

640 Programmed Learning (3)  W. Wiley

EDUCATIONAL FOUNDATIONS

EDUCATIONAL FOUNDATIONS (Ed EF)

FIRST TERM

Students enrolled in colleges other than the College of Education are asked to confer with the department chairman before enrolling in 310.

310 Foundations of American Education (3)  A. Keppel
Contemporary educational theory and practice as related to major historical, philosophical, and social factors in American culture. Daily 11:35-12:50

399 Directed Reading (v)  Staff
Individual reading or research. Limited to senior majors with 2.7 grade-point ratio or 3.0 grade-point ratio in education. Pre: consent of instructor and department chairman.

409 Ethnicity, Poverty, and Education (3)  R. Fruehling
Survey of social and psychological factors related to low income student and his education. Review of local resources and facilities to assist these pupils. (Identical with Sp Ed 409) Daily 7:20-8:35

444 Social Foundations of Education Through Gaming (2)  R. Fruehling
Course for both preservice and inservice educators. Involves participation in a series of games designed to enhance problem solving ability, produce ability to rapidly generate numerous unique alternative solutions to various types of problems, produce skill in the analysis of social situation, and teach the application of consultant techniques to achieve desired social outcomes in educational settings. June 17-July 5 Daily 9:10-11:00

453 History of Education of American Women (3)  A. Keppel
History of education of American women. Trace patterns of women's education, formal and informal, in U.S. from colonial period to present. Pre: junior standing and consent of instructor. Daily 8:45-10:00

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

800 Thesis Research (v)  Staff
SECOND TERM

Students enrolled in colleges other than the College of Education are asked to confer with the department chairman before enrolling in 310.

310 Foundations of American Education (3) R. Anderson
Contemporary educational theory and practice as related to major historical, philosophical, and social factors in American culture. Daily 10:10-11:25

399 Directed Reading (v) Staff
Individual reading or research. Limited to senior majors with 2.7 grade-point ratio or 3.0 grade-point ratio in education. Pre: consent of instructor and department chairman.

409 Ethnicity, Poverty, and Education (3) G. Frazier
Survey of social and psychological factors related to low income student and his education. Review of local resources and facilities to assist these pupils. (Identical with Sp Ed 409)
Daily 10:10-11:25

472 Education in China: Theory and Practice (3) J. Hawkins
An in-depth examination of Chinese approaches to educational problems and development. Contemporary educational experiments including the Republican period (1911-1949) and recent innovative alternatives being pursued in People's Republic of China will be examined against the background of the Chinese traditional heritage. Pre: consent of instructor.
Daily 7:20-8:35

490 Zen and Education (3) V. Kobayashi
Examination of philosophy and methods by which Zen master, and possibly other mystic teachers, approach problem of changes in world-view of the learner; consideration of their possible relevance to present educational conceptions. Pre: consent of instructor.
Daily 8:45-10:00

650 Historical Foundations of Western Education (3) S. Jaeckel
History of European thought and practice as basis for study of modern education.
Daily 11:35-12:50

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

652 History of Education in Hawaii (3) R. Stueber
From Cook's discovery to present. Social and intellectual influences on development of Islands' culture; emphasis upon the role of public and private schools in developing a common language community. Pre: 310 or its equivalent.
Daily 7:20-8:35

660 Philosophy of Education (3) G. Frazier
Philosophical considerations essential to theories of education. Pre: student teaching.
Daily 7:20-8:35

664 Seminar in Problems in Education (2) R. Anderson
For Plan B M.Ed. candidates. Topics determined by Plan B projects. A required seminar for completing the M.Ed. in Plan B.
Daily 1:35-2:25

683 Social Foundations of Education (3) R. Potter
Impact on education of major social trends and forces operating in American society; social change and education.
Daily 8:45-10:00

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

751 Recent History of American Education (3) S. Jaeckel
19th and 20th century history of American educational thought and practice. Pre: 651 or consent of instructor.
Daily 8:45-10:00

800 Thesis Research (v) Staff

EDUCATION

FIRST TERM

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

Students enrolled in colleges other than the College of Education are asked to confer with the department chairman before enrolling in 311.

311 Psychological Foundations (3) P. Dunn-Rankin
Principles of learning and individual differences; relationships of these factors to classroom experience. Pre: Psy 100.
Daily 7:20-8:35

416 Tests and Measurements (3) F. Bail
Theory and techniques of measurement and evaluation in education, including supervised experience in instrument development and analysis.
Daily 8:45-10:00

429 Introductory Statistics (3) D. Blaine
Use of descriptive statistics in analyzing test scores; applications of linear correlation and regression; introduction to an understanding of inferential statistics. Pre: 416.
Daily 10:10-11:25

601 Guidance in the School (3) J. Michel
Basic principles of guidance; consideration of techniques, organization, materials, resources. June 17-July 5.
Daily 7:20-10:00

605 Problems of School Adjustment (3) T. Chang
Principles of behavior affecting human relationships in school, with emphasis upon application to actual situations. June 17-July 5.
Daily 10:10-12:50

SECOND TERM

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

Students enrolled in colleges other than the College of Education are asked to confer with the department chairman before enrolling in 311.

311 Psychological Foundations (3) H. Ayabe
Principles of learning and individual differences; relationships of these factors to classroom experience. Pre: Psy 100.
Daily 8:45-10:00

416 Tests and Measurements (3) H. Ayabe
Theory and techniques of measurement and evaluation in education, including supervised experience in instrument development and analysis.
Daily 10:10-11:25

601 Guidance in the School (3) D. Fullmer
Basic principles of guidance; consideration of techniques, organization, materials, resources.
Daily 8:45-10:00

602 Elementary School Guidance (3) T. Gust
Principles, techniques, organization of guidance services in elementary school.
Daily 10:10-11:25

683 Introduction to Practicum (3) J. Shapiro
Experiential learning to prepare students for supervised experience in the schools. Pre: consent of instructor.
Daily 11:35-12:50

684 Occupational Information in Guidance (3) N. Prigge
Occupational research and survey techniques; trends, sources of materials, use of occupational information in vocational guidance.
Pre: 601.
Daily 11:35-12:50
605 Problems of School Adjustment (3)  J. Blaylock
Principles of behavior affecting human relationships in school, with emphasis upon application to actual situations.
Daily 7:20-8:35

606 Student Personnel Services in Higher Education (3)  J. Comcowich
Philosophy, history, organization and administration of student personnel services at college and university levels including admissions, housing, student activities, financial aids, placement, counseling, health services. (Identical with Ed EA 606)
Daily 8:45-10:00

610 Counseling: Theory and Practice (3)  D. Fullmer
Theories and techniques of counseling and psychotherapy as preparation for practicum and field work. Pre: 416 or equivalent course in tests and measurements, 601 or equivalent course in guidance, consent of instructor.
Daily 7:20-8:35

640 Programmed Learning (3)  W. Wiley
Learning theory, experimental procedures and related systems, readings in study and development of programmed learning. Evaluation, selection and utilization of programs in classroom. Pre: 672 or consent of instructor. (Identical with Ed EC 640)
Daily 7:20-8:35

702 Group Guidance (3)  J. Shapiro
Daily 8:45-10:00

703 Guidance Practicum (3)  J. Kite
Supervised experience in guidance activities in schools. Guidance majors only. Pre: consent of instructor. May be repeated for credit.
Daily 10:10-11:25

Health & Physical Education (HPE)

FIRST TERM

Medical Clearance Requirement: For HPE courses numbered 103-162, 233, 335, and 476, a student is required to submit a medical clearance issued by the University of Hawaii Student Health Service no later than Friday, June 7. For the procedure to obtain this clearance, see page 22.

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

104 Swimming: Intermediate (1)  G.W. Mock
Perfecting and integrating basic strokes with added emphasis on swimming for distance and speed. Daily 10:10-11:00

110 Golf: Beginning (1)  H. Vasconcellos
(2 sections)
Rules, etiquette, grip, stance, drive, normal iron shots, approach shots, putting.
Daily (1) 9:10-10:00
(2) 10:10-11:00

124 Dances of Hawaii (1)  L. Kaina
(2 sections)
Background and fundamentals of hula. Selected dances with and without instruments.
Daily (1) 9:10-10:00
(2) 10:10-11:00

SECOND TERM

Medical Clearance Requirement: For HPE courses numbered 103-163, 233, 332, 433, and 454, a student is required to submit a medical clearance issued by the University of Hawaii Student Health Service no later than Friday, June 28. For the procedure to obtain this clearance, see page 22.

103 Swimming: Beginning (1)  G.W. Mock
(2 sections)
Adjusting to and immersing in water, floating, sculling; correct arm stroke, leg kick, breathing techniques and their coordination.
Daily (1) 9:10-10:00
(2) 10:10-11:00

107 Tennis: Beginning (1)  J. Asato
(3 sections)
Rules, etiquette, grip, forehand and backhand strokes, serving, volleying; singles and doubles play. (Subject to confirmation of new tennis court.)
Daily (1) 7:45- 8:35
(2) 9:10-10:00
(3) 10:10-11:00

232 Safety Procedures and Accident Prevention (2)  G. Seichi
Understanding the fundamental principles and techniques of safety and accident prevention programming emphasizing school, home, public places, on the job and motor vehicle situations. Daily 7:45-8:35

233 Physical Education: Elementary (3)  J. Little
Content and methods for physical education in elementary school, emphasizing selection, planning, teaching, evaluation of movement exploration and physical activities. Daily 8:45-10:00

476 Motor Learning and Performance (3)  S. Martin
Daily 8:45-11:15
EDUCATION

110 Golf: Beginning (1) E. Chui
(2 sections)
Rules, etiquette, grip, stance, drive, normal iron shots, approach shots, putting.
Daily (1) 7:45-8:35
(2) 9:10-10:00

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

123 Folk and National Dances (1) L. Kaina
Popular dances of various national groups, including square dances.
Daily 10:10-11:00

124 Dances of Hawaii (1) (4 sections) E. Bekeart, J. Topolinski
Background and fundamentals of hula. Selected dances with and without instruments.
Daily (1) 7:45-8:35 (Topolinski)
(2) 9:10-10:00 (Bekeart)
(3) 10:10-11:00 (Bekeart)
(4) 11:35-12:25 (Bekeart)

161 Aikido (1) E. Nagasawa
Rules, etiquette, basic rolls, simple holds and breaking of such holds, specific physical conditioning exercises. (Student must provide own gi)
Daily 9:10-10:00

162 Karate (1) H. Tagomori
Rules, etiquette, basic stances, blocks, thrusts, kicks, ippon kumite, and selected kata. (Student must provide own gi)
Daily 10:10-11:00

Courses numbered 201 and above are not open to lower division students (except for pre-education and pre-recreation majors with the consent of department chairman).

233 Physical Education: Elementary (3) J. Little
Content and methods for physical education in elementary school, emphasizing selection, planning, teaching, evaluation of movement exploration and physical activities.
Daily 8:45-10:00

332 Emergency Care and First Aid Instructor G. Seichi
Training (2)
Practicum in training of persons to become qualified instructors of emergency care knowledge and first aid skills. American Red Cross certificate may be earned. Pre: consent of instructor. July 8-26
Daily 7:20-9:00

433 Music and Rhythms in Physical Education (2) L. Kaina
Use of music in physical education program, emphasizing selection of appropriate music for specific activities as expressive or creative movement, movement exploration, rhythmic gymnastics, dancing. Pre: consent of instructor; Mus 117 and 118 desirable.
Daily 9:10-10:00

436 Methods and Materials of Aquatics and Life Saving (2) G. W. Mock
Methods of teaching swimming; theory and techniques of life saving and water safety leading to American Red Cross certification (W.S.I.). Pre: 104 or consent of instructor. July 8-26
Daily 11:35-1:15

454 Physiology in Physical Education (3) R. Tracy
Emphasis on physiological responses to exercise and physical training as related to strength, muscular endurance, and circulo-respiratory endurance. Primarily for physical education majors, but open to others with consent of instructor. Pre: one year of biology or equivalent. July 8-26
Daily 7:30-10:00

463 Kinesiology (3) E. Chui
Concepts and scientific principles essential to efficient human movement; proper application of kinesiological and mechanical principles to fundamental movements and selected complex motor skills. Pre: 453.
Daily 10:45-11:25

531 Practicum in Family Life and Sex Education (3) H. Tominaga
Designed for health teachers to upgrade subject area competency in family life and sex education. Pre: teaching experience and consent of instructor.
Daily 8:45-10:00

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

Special Education (SpEd)

FIRST TERM

404 Introduction to Special Education (3) J. Apffel
Survey of characteristics of children who deviate from average in mental, sensory, physical, social attributes; reviews adaptations made by schools to abilities and disabilities of exceptional children. Daily 7:20-8:35

405 Curriculum and Instruction in Special Education (3) S. Takeguchi-Feldman
Introduction to planning and organization of instruction in special education. Prospective teachers shall learn through theory and guided observations the learning characteristics of exceptional learners and develop objectives and instructional systems for education of exceptional children. Pre: 404.
Daily 7:20-8:35

409 Ethnicity, Poverty, and Education (3) R. Fruehling
Survey of social and psychological factors related to low income student and his education. Review of local resources and facilities to assist these pupils. (Identical with Ed EF 409)
Daily 7:20-8:35

410 Methods and Materials in Teaching the Child with Learning and Behavior Disorders (3) S. Takeguchi-Feldman
Materials, methods, and techniques applicable to instruction of children with learning and behavior disorders. Emphasis given to criterion selection of materials, sequencing and programming of materials, evaluation of programs, pertinent related research in field. Pre: 405 and consent of instructor.
Daily 8:45-10:00

418 Methods and Materials in Teaching the Educable Mentally Retarded (3) J. Apffel
Methods and techniques of instruction employed in application of skill development to learning in content areas: analysis and evaluation of instructional materials with consideration of programmed, basal, linguistic, audio-visual resources and other types of materials; demonstrations of techniques of instruction; criteria for selection and application of instructional materials; review of findings with implications for classroom teacher of educable mentally retarded. Pre: 405 and consent of instructor.
Daily 8:45-10:00

485 Behavior Modification of Handicapped Children (3) D. Priddy
Application of principles of behavior modification in treatment and classroom instruction of exceptional children. Pre: 404 or consent of instructor.
Daily 11:35-12:50

611 Advanced Curriculum and Instruction in Special Education (3) D. Priddy
Examination of issues, trends, and principles in curriculum development and consideration of multiple approaches to teaching methodology in special education. Pre: 405 and student teaching. Daily 8:45-10:00
SECOND TERM

200 Mental Retardation and Mental Health C. Walker
Work-Study Program (6)
Study, observation, and supervised field experience of emotionally
and socially maladjusted, mentally ill, and mentally retarded in
community and institutional settings. (Open only to those who
have been awarded WICHE fellowships)
Hrs. arr.

404 Introduction to Special Education (3) L. Sisson
Survey of characteristics of children who deviate from average in
mental, sensory, physical, social attributes; reviews adaptations
made by schools to abilities and disabilities of exceptional children.
Daily 10:10-11:25

409 Ethnicity, Poverty, and Education (3) L. Sisson
Survey of social and psychological factors related to the low in­
come student and his education. Review of local resources and
facilities to assist these pupils. (Identical with Ed EF 409)
Daily 2:35-3:50

485 Behavior Modification of Handicapped Children (3) Staff
Application of principles of behavior modification in treatment
and classroom instruction of exceptional children. Pre: 404 or con­
sent of instructor.
Daily 8:45-10:00

615B Clinical Assessment of Exceptional Children—LD (3) G. Fargo
Diagnostic instruments used in clinical appraisal of learning dis­
abled children. Theoretical considerations will buttress field ap­
praisal experience. Taken concurrently with 619B. Pre: 411-412
or consent of instructor.
Daily 7:20-8:35

616D Seminar on the Learning Disabled (3) Staff
Study of special education issues, research, and program develop­
ment for the learning disabled. Pre: consent of instructor.
Daily 10:10-11:25

619B Theory and Practice of Clinical Teaching—LD (3) G. Fargo
Theories and techniques of clinical teaching with children with
learning and behavior disorders. Taken concurrently with 615B.
Pre: 411-412 or consent of instructor.
Daily 8:45-10:00

ENGINEERING

Civil Engineering (CE)

FIRST TERM

270 Applied Mechanics I (3) E. Cheng
Equilibrium of particles, rigid bodies, frames and machines; vectors,
centroids, friction and moments of inertia. Pre: credit or registra­
tion in Phys 170.
Daily 10:10-11:25

699 Directed Research (v) H.C. Chai
Hrs. arr.

800 Thesis Research (v) Staff
Hrs. arr.

SECOND TERM

271 Applied Mechanics II (3) R. Higashionna
Dynamics of particles and rigid bodies, force acceleration, impulse­
momentum, work-energy. Pre: 270, Math 206.
Daily 7:20-8:35

699 Directed Research (v) Staff
Hrs. arr.

800 Thesis Research (v) Staff
Hrs. arr.

Electrical Engineering (EE)

FIRST TERM

699 Directed Reading or Research (v) Staff
Pre: graduate standing, consent of instructor.
Hrs. arr.

800 Thesis Research (v) Staff
Pre: candidacy for M.S. or Ph.D. in electrical engineering.
Hrs. arr.

General Engineering (GE)

FIRST TERM

61 Graphical Communication (1) D. Boyd
(2 sections)
Orthographic and pictorial instrument drawing and sketching, di­
mensioning, auxiliary and section views. Intended for engineering
students who have not one year of high school mechanical
drawing.
MWF (1) 7:20- 8:35
(2) 8:45-10:00

251 Computer Programming in PL/1 (3) Staff
PL/1 programming language for applied math and physical science.
Basic numerical methods, program planning, writing, debugging,
and running. Intended for students who have not taken 107. Pre:
Math 134 or equivalent.
Daily 10:10-11:25

253 Computer Programming in FORTRAN (3) Staff
FORTRAN programming language for applied math and physical
science. Basic numerical methods, program planning, writing, de­
bugging, and running. Intended for students who have not taken
107. Pre: Math 134 or equivalent.
Daily 8:45-10:00

255 Computer Programming in COBOL (3) Staff
COBOL programming language for Business Data Processing. Data
Processing principles, program planning, writing, debugging, and
running.
Daily 8:45-10:00

Mechanical Engineering (ME)

FIRST TERM

499 Project (v) H.C. Chai
Investigation of advanced problems in mechanical engineering de­
sign or development. Student must find faculty sponsor before
registering. Pre: senior standing.
Hrs. arr.

699 Directed Reading or Research (v) H.C. Chai
Directed study for graduate students on subject of mutual interest
to student and a staff member. Student must find faculty sponsor
before registering. Pre: consent of department chairman. May be
repeated.
Hrs. arr.
800 Thesis (v) 

SECOND TERM

499 Project (v) 
H. C. Chai
Investigation of advanced problems in mechanical engineering design or development. Student must find faculty sponsor before registering. Pre: senior standing. Hrs. arr.

699 Directed Reading or Research (v) 
H. C. Chai
Directed study for graduate students on subject of mutual interest to student and a staff member. Student must find faculty sponsor before registering. Pre: consent of department chairman. May be repeated. Hrs. arr.

800 Thesis (v) 
Staff

Ocean Engineering (OE)

FIRST TERM

601 Ocean Engineering Laboratory (3) 
L. Seidl
Design, construction and evaluation of an ocean engineering system. Field experience supplemented with appropriate theory. Pre: consent of department. Hrs. arr.

699 Directed Reading or Research (v) 
Staff
Pre: graduate standing, consent of instructor. Hrs. arr.

SECOND TERM

699 Directed Reading or Research (v) 
Staff
Pre: graduate standing, consent of instructor. Hrs. arr.

ENGLISH (Eng)

FIRST TERM

100 Expository Writing: Four Major Forms (3) 
S. Drinkard,
R. Singer, L. Cunningham, P. Cha, C. Church
Practice in representative forms of expository writing: descriptive and narrative exposition, autobiographic writing, interpretations of completed events, and presentation of arguments on social or cultural issues, together with readings in professional writing in each form. Daily (1) 7:20-8:35 (Drinkard) (2) 7:20-8:35 (Singer) (3) 8:45-10:00 (Cunningham) (4) 8:45-10:00 (Cha) (5) 10:10-11:25 (Church)

251 Major Works of British and American Literature (3) 
R. Singer, K. Lanier
British literature from the Middle ages to 1800: an introductory course for sophomores. Daily (1) 8:45-10:00 (Singer) (2) 10:10-11:25 (Lanier)

252 Major Works of British and American Literature (3) 
L. Cunningham,
N. Brown
(2 sections)
British and American literature from 1800 to the present; an introductory course for sophomores. Daily (1) 10:10-11:25 (Cunningham) (2) 11:35-12:50 (Brown)

253 World Literature: To the Renaissance (3) 
R. Friederich,
T. Hilgers
Major works of classical, Oriental, European and English literature. Daily (1) 7:20-8:35 (Friederich) (2) 8:45-10:00 (Hilgers)

254 World Literature: 1600 to the Present (3) 
J. Morrison,
R. McHenry
Major works of classical, Oriental, European, American and English literature. Daily (1) 10:10-11:25 (Morrison) (2) 11:35-12:50 (McHenry)

255 Types of Literature (3) 
M. Murray, S. Ricks, C. Church,
K. Merz, P. Damon, K. Lanier
Practical criticism in the major genres of European and American literature. Short story, novel. Daily (1) 7:20-8:35 (Murray) (2) 7:20-8:35 (Ricks) (3) 8:45-10:00 (Church) (4) 8:45-10:00 (Merz) (5) 10:10-11:25 (Damon) (6) 11:35-12:50 (Lanier)

256 Types of Literature (3) 
L. Lichty, S. Drinkard,
J. Maltby, P. Cha
(4 sections)
Practical criticism in the major genres of European and American literature. Drama, biography, poetry. Daily (1) 7:20-8:35 (Lichty) (2) 8:45-10:00 (Drinkard) (3) 10:10-11:25 (Maltby) (4) 11:35-12:50 (Cha)

309 Written Communication (3) 
K. Merz, L. Lichty,
S. Ricks, J. Morrison
(4 sections)
Practice in informative, analytical, persuasive writing. Open only to students in business administration and home economics. Pre: 100 and sophomore literature, or equivalents. Daily (1) 7:20-8:35 (Merz) (2) 8:45-10:00 (Lichty) (3) 10:10-11:25 (Ricks) (4) 11:35-12:50 (Morrison)

315 Advanced Expository Writing (3) 
P. Damon
Writing of essays from logical and rhetorical principles, especially modes of definition, assertion, proof. Emphasis on clarity, coherence, style. Daily 8:45-10:00

320 Introduction to Language (3) 
T. Pak
Examination of modern concepts of structure and use of language, with special reference to the English language. Daily 7:20-8:35

331 Introduction to Poetry (3) 
P. Thompson
Written and oral analysis of imagery, sound, language, form and structure of poems, leading to increased awareness of nature of poetry. Daily 8:45-10:00

335 Backgrounds of World Literature (3) 
R. Friederich
Most important sources of European literary themes and allusions, including King James Bible and western European myth and legend. Daily 10:10-11:25

336 Introduction to Literary Problems (3) 
A. Levy
Critical evaluation of the genres of literature, of various modes of analysis, of problems involved in literary perception. Daily 11:35-12:50
402 History of the English Language (3) P. Nicholson
Introduction to older stages of English and processes by which
Modern English evolved.
Daily 10:10-11:25

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

445 Shakespeare (3) W. Elton
Shakespeare's plays from the beginning to Hamlet.
Daily 11:35-12:50

472 American Literature (3) B. Menikoff
A survey of American literature from the Civil War to 1914.
Daily 10:10-11:25

476 20th-Century American Novel (3) A. Edelstein
Development of American novel from 1900 to present.
Daily 8:45-10:00

488 20th-Century British and American Poetry (3) A. Friedson
Daily 8:45-10:00

660 Major Authors (3) W. Elton
Daily 8:45-10:00

SECOND TERM

100 Expository Writing: Four Major Forms (3) T. Hilgers,
S. Paolini, R. Stewart, W. Andrews
(4 sections)
Practice in representative forms of expository writing: descriptive
and narrative exposition, autobiographic writing, interpretations
of completed events, and presentation of arguments on social or
cultural issues, together with readings in professional writing in
each form.
Daily (1) 7:20-8:35 (Hilgers)
(2) 8:45-10:00 (Paolini)
(3) 10:10-11:25 (Stewart)
(4) 11:35-12:50 (Andrews)

251 Major Works of British and American
Literature (3) M. Delia
British literature from the Middle ages to 1800; an introductory
course for sophomores.
Daily 8:45-10:00

252 Major Works of British and American
Literature (3) W. Andrews
British and American literature from 1800 to the present; an intro-
ductive course for sophomores.
Daily 10:10-11:25

253 World Literature: To the Renaissance (3) G. Anderson,
S. Paolini
(2 sections)
Major works of classical, Oriental, European and English literature.
Daily (1) 8:45-10:00 (Anderson)
(2) 10:10-11:25 (Paolini)

254 World Literature: 1600 to the Present (3) J. Weston,
R. Stewart
(2 sections)
Major works of classical, Oriental, European, American and English
literature.
Daily (1) 7:20-8:35 (Weston)
(2) 8:45-10:00 (Stewart)

255 Types of Literature (3) C. Sherman, T. Hunter, K. Macdonald
(3 sections)
Practical criticism in the major genres of European and American
literature. Short story, novel.
Daily (1) 7:20-8:35 (Sherman)
(2) 8:45-10:00 (Hunter)
(3) 10:10-11:25 (Macdonald)

256 Types of Literature (3) M. Murray, S. Shrader
(2 sections)
Practical criticism in the major genres of European and American
literature. Drama, biography, poetry.
Daily (1) 8:45-10:00 (Murray)
(2) 10:10-11:25 (Shrader)

309 Written Communication (3) T. Kaser, M. Delia, L. Lichty
(4 sections)
Practice in informative, analytical, persuasive writing. Open only
to students in business administration and home economics. Pre:
100 and sophomore literature, or equivalents.
Daily (1) 7:20-8:35 (Kaser)
(2) 8:45-10:00 (Kaser)
(3) 10:10-11:25 (Delia)
(4) 11:35-12:50 (Lichty)

401 Modern English Grammar (3) T. Pak
Syntax of modern English examined within framework of recent
linguistics scholarship. Pre: 320 or consent of instructor.
Daily 8:45-10:00

405 Techniques and Resources for Writing C. Norman, D. Vella
Skills Counseling (3)
A workshop to train teachers and prospective teachers of writing
in the techniques and resources of the professional skills
counselor: concerns all ranges of ability, but emphasizes problems and solu-
tions relating to the writing of those student with inadequate
backgrounds in the linguistic habits of the dominant culture.
Daily 8:45-10:00
ENGLISH LANGUAGE INSTITUTE (ELI)


60 Oral English for Foreign Students (0) Staff
Intensive drill to develop facility in speaking and understanding. Language laboratory work also required. Equals 4 credits. Daily 7:20-8:35

61 English Structure for Foreign Students (0) Staff

62 Reading Program for Foreign Students (0) Staff
Instruction and practice in developing improved reading comprehension and speed, and in effective use of textbooks and reference materials. Equals 3 credits. Daily 1:10-2:25

63 Writing Program for Foreign Students (0) Staff
Focus on the similarities and differences between spoken and written English. Practice in taking dictation; and in writing direct address, indirect address, and factual accounts. Equals 3 credits. Daily 2:35-3:50

70 Intermediate Oral English for Foreign Students (0) Staff
Further practice in spoken fluency and accurate aural comprehension. Practice in taking effective notes on short lectures and discussions. Language laboratory work required. Equals 3 credits. Daily 10:10-11:00

71 Intermediate English Structure for Foreign Students (0) Staff

ENGLISH AS A SECOND LANGUAGE (ESL)

FIRST TERM

530 Internship in ESL (3) R. Gibson
Teaching or research under supervision of cooperating institution. May be repeated. Pre: consent of instructor. Hrs. arr.

600B(1) Topics in ESL: History of Language Teaching: 500 B.C.—Present (3) K. Jackson
A chronological survey of the theoretical and practical aspects of language teaching pedagogy from the Hellenic period to the present with particular emphasis on ancient positions to the Renaissance. 16th century positions up to the origins of the Direct Method, and contemporary trends. Daily 8:45-10:00

600B(2) Topics in ESL: New Materials Development (3) K. Diller
Individualized projects in designing, writing, trying out, and revising innovative materials for real situations; attention to implications of language and language learning theories with special emphasis on current work in linguistics, psycholinguistics, and sociolinguistics. Daily 11:35-12:50
730 Seminar in ESL (3)  K. Diller
Current issues and problems in language teaching and learning. Development of individual projects in research or materials construction. Pre: 610 or 611 or consent of the instructor. Daily 10:10-11:25

SECOND TERM
410 Introduction to TESL (3)  R. Gibson
Introduction to language systems, materials and techniques for teaching English as a second language. For non-majors. Daily 11:35-12:50
450 English Syntax (3)  F. Jackson
Basic course in English syntax primarily within the generative transformational framework; implications for the language teacher. Required for B.Ed. in English Language Teaching. Daily 8:45-10:00
600C Topics in ESL: History of English Syntax (3)  R. Jacobs
An analysis of English syntax and morphology from the historical point of view tracing the development of English from the Anglo-Saxon period to the present day. (Identical with Ling 660E) Daily 10:10-11:25

EUROPEAN LANGUAGES AND LITERATURE

General (EL)

FIRST TERM
Literature courses in English.
Note: These courses, given in English, do not require knowledge of a foreign language. They do not count toward requirements for any major in this department. They may count toward foreign culture requirement.

112 Greek and Roman Mythology (3)  R. Littman
The principal myths of Greek and Roman literature. Daily 8:45-10:00
374 Literature and Thought of European Renaissance (3)  C. Moore
Main currents of European Renaissance and its impact especially in central Europe, culminating with Protestant Reformation. Daily 7:20-8:35
375 French Literature since 1800 (3)  E. Jackson
Rapid reading in translation; lectures, discussions, and reports. Daily 11:35-12:50

French (Fr)

FIRST TERM
101 Elementary French (4)  D. Quinn
Intensive course in conversation, grammar, reading, writing. Language lab practice required daily. Daily 7:45-10:00 plus laboratory
102 Elementary French (4)  S. Sturm
Continuation of 101. Language lab practice required daily. Daily 9:10-11:25 plus laboratory
103 Intensive Elementary French (8)  J. Toyama, M.-T. Wernert
In one session the contents of French 101-102 will be presented. Language lab practice required daily. Daily 7:45-12:25 plus laboratory

201 Intermediate French (3)  E. Zants
Intensive course in conversation, grammar, review, reading, composition. Pre: 102 or equivalent. Language lab practice required daily. Daily 10:10-11:25 plus laboratory
202 Intermediate French (3)  V. Creed
Continuation of 201. Language lab practice required daily. Daily 8:45-10:00 plus laboratory
301 Phonetics and Pronunciation Practice (3)  M. A. Ignatius
Analysis of French phonological system. Practice and laboratory drill designed to improve the student's pronunciation. Pre: 101 or two years of high school French. Daily 8:45-10:00 plus laboratory
361 French Civilization (3)  M. Benouis
Survey of culture and institutions of modern France. Pre: 202 or equivalent. May be taken concurrently with 311 or 312. Daily 10:10-11:25

German (Ger)

FIRST TERM
101 Elementary German (4)  C. Moore
Intensive course in conversation, grammar, reading, writing. Language lab practice required daily. Daily 9:10-11:25 plus laboratory
102 Elementary German (4)  L. Abundo
Continuation of 101. Language lab practice required daily. Daily 9:10-11:25 plus laboratory
201 Intermediate German (3)  Staff
Emphasis on developing rapid reading skill for comprehension. Practice in listening to papers, lectures, etc., in scientific fields. Pre: 102 or equivalent for 211. B.S. candidates only; B.A. science majors by permission of department chairman. Daily 7:20-8:35

Latin (Lat)

FIRST TERM
101-102 Elementary Latin (6)  R. Ball
Intensive course in vocabulary and grammar, with reading of simple Latin, equivalent to Latin 101 and 102. Daily 8:45-11:25

Russian (Rus)

FIRST TERM
101-102 Elementary Russian (8)  C. Aladieff, E.J. Kulakowski
Intensive course in conversation, grammar, reading, writing, equivalent to Russian 101 and 102. Language lab practice required daily. Daily 7:45-12:25 plus laboratory
201-202 Intermediate Russian (6)  T. Gasinski, L. Helen
Intensive course in reading, conversation, grammar, composition, equivalent to Russian 201 and 202. Language lab practice required daily. Daily 8:45-11:25 plus laboratory
### EUROPEAN LANGUAGES

#### Spanish (Span)

**FIRST TERM**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Description</th>
<th>Days &amp; Times</th>
</tr>
</thead>
<tbody>
<tr>
<td>102</td>
<td>Elementary Spanish (4)</td>
<td>A. Dias</td>
<td>4</td>
<td>Continuation of 101. Language lab practice required daily.</td>
<td>Daily 9:10-11:25 plus laboratory</td>
</tr>
<tr>
<td>110</td>
<td>Accelerated Elementary Spanish (8)</td>
<td>Staff</td>
<td>8</td>
<td>Intensive course equivalent to Spanish 101 and 102. Language lab practice required daily.</td>
<td>Daily 7:45-12:25 plus laboratory</td>
</tr>
<tr>
<td>201</td>
<td>Intermediate Spanish (3)</td>
<td>S. Baciu</td>
<td>3</td>
<td>Continuation of oral practice, with increasing emphasis on reading and written composition. Pre: 102 or equivalent. Language lab practice required daily.</td>
<td>Daily 8:45-10:00 plus laboratory</td>
</tr>
<tr>
<td>202</td>
<td>Intermediate Spanish (3)</td>
<td>R. Hadlich</td>
<td>3</td>
<td>Continuation of 201. Language lab practice required daily.</td>
<td>Daily 7:20-8:35 plus laboratory</td>
</tr>
</tbody>
</table>

---

### GENETICS (Genet)

**FIRST TERM**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Description</th>
<th>Days &amp; Times</th>
</tr>
</thead>
<tbody>
<tr>
<td>499</td>
<td>Genetical Problems (v)</td>
<td>Staff</td>
<td>v</td>
<td>Directed reading and research in genetics. Pre: 451 or 352. Hrs. arr.</td>
<td></td>
</tr>
<tr>
<td>699</td>
<td>Directed Research (v)</td>
<td>Staff</td>
<td>v</td>
<td></td>
<td></td>
</tr>
<tr>
<td>800</td>
<td>Thesis Research (v)</td>
<td>Staff</td>
<td>v</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

### SECOND TEAM

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Description</th>
<th>Days &amp; Times</th>
</tr>
</thead>
<tbody>
<tr>
<td>499</td>
<td>Genetical Problems (v)</td>
<td>Staff</td>
<td>v</td>
<td>Directed reading and research in genetics. Pre: 451 or 352. Hrs. arr.</td>
<td></td>
</tr>
<tr>
<td>699</td>
<td>Directed Research (v)</td>
<td>Staff</td>
<td>v</td>
<td></td>
<td></td>
</tr>
<tr>
<td>800</td>
<td>Thesis Research (v)</td>
<td>Staff</td>
<td>v</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

### GEOGRAPHY (Geog)

**FIRST TERM**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Description</th>
<th>Days &amp; Times</th>
</tr>
</thead>
<tbody>
<tr>
<td>101</td>
<td>Elements of Physical Geography (3)</td>
<td>G. de Silva</td>
<td>3</td>
<td>Survey of man's natural environment; distribution and interrelationships of climates, vegetation, soils, landforms. Laboratory problems in map interpretation and environmental analysis.</td>
<td>Daily 11:35-12:50 Lab (1) 1:30-3:30 MW (2) 1:30-3:30 TTTh</td>
</tr>
<tr>
<td>102</td>
<td>World Regional Geography (3)</td>
<td>L. Masterson</td>
<td>3</td>
<td>Geography of world's major cultural regions; emphasis on geographic aspects of contemporary economic, social, political conditions.</td>
<td>Daily 10:10-11:25</td>
</tr>
</tbody>
</table>

---

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Description</th>
<th>Days &amp; Times</th>
</tr>
</thead>
<tbody>
<tr>
<td>151</td>
<td>Geography and Contemporary Society (3)</td>
<td>A. Sommarstrom</td>
<td>3</td>
<td>Elements of economic geography and resource management, population and urban geography; application to current problems of developed and underdeveloped worlds.</td>
<td>Daily 11:35-12:50</td>
</tr>
<tr>
<td>201</td>
<td>Atmospheric Pollution (3)</td>
<td>O. W. Bach</td>
<td>3</td>
<td>Interdisciplinary approach to air pollution: Discussion of chemical, meteorological, health, economic, technological, control, legal, and public awareness aspects of air pollution.</td>
<td>Daily 11:35-12:50 Lab 1:30-3:30 MW</td>
</tr>
<tr>
<td>326</td>
<td>Conservation and Resource Management (3)</td>
<td>A. Sommarstrom</td>
<td>3</td>
<td>Man's interaction with the environment. Changes in the concept of conservation. Ecological, philosophical and political aspects of present environmental dilemmas. Contemporary U.S. problems and international issues.</td>
<td>Daily 8:45-10:00</td>
</tr>
<tr>
<td>368</td>
<td>Geography of Hawaii (3)</td>
<td>A. Piianaia</td>
<td>3</td>
<td>Regional, physical, cultural geography. Detailed study of people and resources.</td>
<td>Daily 7:20-8:35</td>
</tr>
<tr>
<td>369</td>
<td>Geography of Honolulu (3)</td>
<td>L. Masterson</td>
<td>3</td>
<td>The processes of urbanization at work on the island of Oahu from 1778 to the present. Contemporary economic and social problems in the light of this unique urbanizing experience.</td>
<td>Daily 8:45-10:00</td>
</tr>
<tr>
<td>452</td>
<td>Geography of Japan (3)</td>
<td>D. Kornhauser</td>
<td>3</td>
<td>Regional synthesis of physical and cultural features which characterize economic, social, political geography of Japan. Emphasis on origins and development of cities.</td>
<td>Daily 8:45-10:00</td>
</tr>
<tr>
<td>456</td>
<td>Geography of Southeast Asia (3)</td>
<td>D. Fryer</td>
<td>3</td>
<td>Southeast Asia in world economy. Human and physical resources basis and returns achieved by various methods of land utilization. National economies of continental and insular Southeast Asia, problems and prospects of modernization.</td>
<td>Daily 10:10-11:25</td>
</tr>
<tr>
<td>700C</td>
<td>Seminar in Geography (3)</td>
<td>G. Fuller</td>
<td>v</td>
<td>Study and discussion of significant topics and problems. May be repeated. Hrs. arr.</td>
<td></td>
</tr>
<tr>
<td>799</td>
<td>Directed Research (v)</td>
<td>Staff</td>
<td>v</td>
<td>Pre: consent of instructor. Hrs. arr.</td>
<td></td>
</tr>
</tbody>
</table>

---

**SECOND TERM**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Description</th>
<th>Days &amp; Times</th>
</tr>
</thead>
<tbody>
<tr>
<td>101</td>
<td>Elements of Physical Geography (3)</td>
<td>H.H. Liu</td>
<td>3</td>
<td>Survey of man's natural environment; distribution and interrelationships of climates, vegetation, soils, landforms. Laboratory problems in map interpretation and environmental analysis.</td>
<td>Daily 11:35-12:50 Lab (1) 1:30-3:30 MW (2) 1:30-3:30 TTTh</td>
</tr>
<tr>
<td>102</td>
<td>World Regional Geography (3)</td>
<td>L. Masterson</td>
<td>3</td>
<td>Geography of world's major cultural regions; emphasis on geographic aspects of contemporary economic, social, political conditions.</td>
<td>Daily 10:10-11:25</td>
</tr>
<tr>
<td>151</td>
<td>Geography and Contemporary Society (3)</td>
<td>B. Root</td>
<td>3</td>
<td>Elements of economic geography and resource management, population and urban geography; application to current problems of developed and underdeveloped worlds.</td>
<td>Daily 11:35-12:50</td>
</tr>
<tr>
<td>368</td>
<td>Geography of Hawaii (3)</td>
<td>A. Piianaia</td>
<td>3</td>
<td>Regional, physical, cultural geography. Detailed study of people and resources.</td>
<td>Daily 7:20-8:35</td>
</tr>
</tbody>
</table>
453 Geography of China (3) H.H. Liu
Geographic interpretation of China in terms of historical evolution of spatial organization, physical conditions, resource base, patterns of agriculture and industry, and characteristics of population and urbanization.
Daily 8:45-10:00
799 Directed Research (v) Staff
Pre: consent of instructor.
Hrs. arr.

GEOLOGY AND GEOPHYSICS (GG)

FIRST TERM
614 Advanced Field Study (v) Staff
Field projects in geologic sciences.
Hrs. arr.
799 Directed Research (v) Staff
800 Thesis Research (v) Staff

SECOND TERM
200 Geology of the Hawaiian Islands (4) P.F. Fan
Survey of Hawaiian volcanism, rock types, development of land forms, ground water, engineering materials.
MTWTh 8:45-10:00
Friday 9:00-3:00 (Field Trip)
614 Advanced Field Study (v) Staff
Field projects in geologic sciences.
Hrs. arr.
799 Directed Research (v) Staff
800 Thesis Research (v) Staff

HISTORY (Hist)

FIRST TERM
151 World Civilization (3) A. Saville
A survey of the more significant political, social, economic, and intellectual factors in the development of civilization of the world from the ancient Middle East, Greece, and Rome in the West, and the ancient cultures of China, Japan, and India in the East to the seventeenth century.
Daily 7:20-8:35 plus lab
Labs 1-4 M 1:00-2:15
Labs 5-8 T 1:00-2:15
152 World Civilization (3) P. Hagstrom
Continuation of the history of world civilization from the seventeenth century to the present day.
Daily 10:10-11:25 plus lab
Labs 1-3 M 1:00-2:15
Labs 4-6 T 1:00-2:15
241 Civilizations of Asia (3) B.E. McKnight
Historical survey of major civilizations of Asia from earliest times to 1500, including East Asia, Southeast Asia, and South Asia. (Identical with Asian 241.)
Daily 10:10-11:25
242 Civilizations of Asia (3) V.D. Morris
Historical survey of major civilizations of Asia from 1500 to present, including East Asia, Southeast Asia, and South Asia. (Identical with Asian 242.)
Daily 1:10-2:25
281 Introduction to American History (3) E.D. Beechert
An interpretive survey of United States history from the earliest settlements to 1877.
Daily 8:45-10:00
406 History of Southeast Asia (3) R. Van Niel
Historical survey of Southeast Asian civilizations and states, including Burma, Thailand, Laos, Cambodia, Vietnam, Malaysia, Indonesia, and Philippines.
Daily 11:35-12:50
409 History of China (3) D.W.Y. Kwok
Course of Chinese civilization from earliest times to 1644.
Daily 7:20-8:35
410 History of China (3) D.W.Y. Kwok
Course of Chinese civilization from 1644 to present.
Daily 8:45-10:00
413 History of Japan (3) V.D. Morris
Historical survey of Japanese culture, government, economics, institutions from earliest times to 1600.
Daily 10:10-11:25
424 History of the Hawaiian Islands (3) P.K. Joerger
General course, but with some detail. Emphasis on period of monarchy. Interchangeable credit: Pacific or American.
Daily 7:20-8:35
438 French Revolution, 1789-1815 (3) R.E. Cubberly
Traces causes, course, and conduct of the French Revolution and Napoleonic periods, their impact upon Europe, and emphasizing the conflict of ideologies inherent in the Revolutionary experience.
Daily 10:10-11:25
446 History of France (3) R.E. Cubberly
Major political, social, economic, and intellectual trends in evolution of France from the Revolution to the Fifth Republic.
Daily 11:35-12:50
447 History of England (3) J.D. Lind
Major trends in development of English civilization from origins to 1688.
Daily 1:10-2:25
457 The Russian Revolution (3) R.A. Wade
The causes of the revolution, the revolutionary movements, the February and October revolutions, the Civil War.
Daily 8:45-10:00
475 Constitutional History of the United States (3) H.F. Margulis
Origins and development of the constitution from colonial times to present.
Daily 8:45-10:00
481 American Thought and Culture (3) J. McCutcheon
Advanced course in American social customs, institutions, intellectual pursuits.
Daily 1:10-2:25
496J Senior Tutorial: General (4) G.R. Nunn
Analysis of sources and evaluation of methods of historical writing. Research in field of special interest. Required for majors, except those in honors program.
TTh 1:00-4:00
725 Contemporary China Seminar (3) S. Uhalley, Jr.
Topical studies of contemporary China including attention to significant historical antecedents. Pre: 409-410. (Identical with Asian 601.)
TTh 1:00-4:00
SECOND TERM

151 World Civilization (3)  
A survey of the more significant political, social, economic, and intellectual factors in the development of civilization of the world from the ancient Middle East, Greece and Rome in the West, and the ancient cultures of China, Japan, and India in the East to the seventeenth century.  
Daily 7:20-8:35 plus lab  
Lab 1 M 1:00-2:15  
Lab 2 T 1:00-2:15  
Lab 3 W 1:00-2:15  
Lab 4 Th 1:00-2:15

152 World Civilization (3)  
G.D. Best  
Continuation of the history of world civilization from the seventeenth century to the present day.  
Daily 10:10-11:25 plus lab  
Lab 1-2 M 1:00-2:15  
Lab 3-4 T 1:00-2:15  
Lab 5-6 W 1:00-2:15  
Lab 7-8 Th 1:00-2:15

282 Introduction to American History (3)  
R.L. Rapson  
Interpretive survey of U.S. history from 1877 to the present.  
Daily 10:10-11:25

342 East Asian Civilization (3)  
M. Shinoda  
Modernization process and factors which affected the nature of change in China, Japan, and Korea.  
Daily 10:10-11:25

407F National and Regional History of Southeast Asia: Modern Indonesia (3)  
R. Van Niel  
Historical development of Indonesia during the 19th and 20th centuries.  
Daily 11:35-12:50

412 Local History of China (3)  
H.J. Lamley  
Analysis of political and social conditions in China from the 20th century through the 1960's with emphasis on the local and regional levels.  
Daily 11:35-12:50

414 History of Japan (3)  
C. Yanaga  
Historical survey of Japanese culture, government, economics, institutions. From 1600 to present.  
Daily 10:10-11:25

418 History of Korea (3)  
Y.H. Choe  
Detailed political, economic and social survey of Korean history since 1400.  
Daily 11:35-12:50

420 History of the Chinese Revolution (3)  
S. Uhalley, Jr.  
Comprehensive analysis of China's modern revolution. Includes review of relevant historical background but emphasis is on the period of the People's Republic to the present.  
Daily 8:45-10:00

425 The United States in the Pacific (3)  
G.D. Best  
Growth of economic and political interests and policies in Pacific area. Interchangeable credit: Asian, Pacific or American.  
Daily 1:10-2:25

466 America and World Leadership: U.S. Since 1941 (3)  
E. Andrade  
World War II, Cold War and beyond; politics from Roosevelt to Johnson; McCarthyism, civil rights; economic and social development.  
Daily 11:35-12:50

471 History of United States Foreign Policy (3)  
E. Andrade  
History of American foreign policy and diplomacy.  
Daily 8:45-10:00

482 American Thought and Culture (3)  
R.L. Rapson  
Advanced course in American social customs, institutions, intellectual pursuits.  
Daily 11:35-12:50

734 Japanese Intellectual History (3)  
M. Shinoda  
Intensive study in selected phases of history of Japanese thought and institutions. Pre: 413-414 or consent of instructor. Knowledge of Japanese preferred.  
TTh 1:00-4:00

HONORS PROGRAM

Honors Courses (Hon)

FIRST TERM

493 Senior Honors Thesis (2)  
J. Linn  
Preparation of research paper under individual faculty supervision. Required for graduation with honors.  
Hrs. arr.

494 Senior Honors Thesis (2)  
J. Linn  
Preparation of research paper under individual faculty supervision. Required for graduation with honors. Pre: consent of instructor.  
Hrs. arr.

SECOND TERM

493 Senior Honors Thesis (2)  
J. Linn  
Preparation of research paper under individual faculty supervision. Required for graduation with honors.  
Hrs. arr.

494 Senior Honors Thesis (2)  
J. Linn  
Preparation of research paper under individual faculty supervision. Required for graduation with honors. Pre: consent of instructor.  
Hrs. arr.

Interdisciplinary Studies (IS)

FIRST TERM

311 Independent Study Tutorial (v)  
J. Ihrig  
Pre-arranged independent study, under the tutorial system, of selected topics not necessarily covered in standard course work. Comprising a full-session load, course is limited to sophomores and above not on probation. Pre: permission of Liberal Studies Director and appropriate faculty adviser.  
Hrs. arr.

312 Independent Study Tutorial (v)  
J. Ihrig  
Pre-arranged independent study, under the tutorial system of selected topics not necessarily covered in standard course work. Comprising a full-session load, course is limited to sophomores and above not on probation. Pre: permission of Liberal Studies Director and appropriate faculty adviser.  
Hrs. arr.

345 Literature of Women (3)  
M. Harman  
Fiction, autobiography, journals by women of several cultures. Themes of survival, self-expression, art, social relations, etc.; alternative to conventional female characters and roles.  
Daily 10:10-11:25

399 Introduction to Independent Study (v)  
R. Clopton  
A contract course in the methods and initial phases of independent study leading to the B.A. degree. Limited to former New College program students with junior standing. May be repeated for credit. Pre: permission of Liberal Studies Director.  
Hrs. arr.

499 Graduation Contract Independent Study (v)  
R. Clopton  
Final contract course in independent study to develop an area of competence at the B.A. level and a related creative project. Limited
to former New College program students with senior standing who are candidates for the B.A. degree. May be repeated for credit. Pre: at least 15 credits of IS 399 (or former NC 399) and permission of Liberal Studies Director.

HRS. ARR.

SECOND TERM

311 Independent Study Tutorial (v) J. Ihrig
Pre-arranged independent study, under the tutorial system, of selected topics not necessarily covered in standard course work. Comprising a full-session load, course is limited to sophomores and above not on probation. Pre: permission of Liberal Studies Director and appropriate faculty adviser.

HRS. ARR.

312 Independent Study Tutorial (v) J. Ihrig
Pre-arranged independent study, under the tutorial system, of selected topics not necessarily covered in standard course work. Comprising a full-session load, course is limited to sophomores and above not on probation. Pre: permission of Liberal Studies Director and appropriate faculty adviser.

HRS. ARR.

347 Sex and Law (3) J. Gething
Institutional and behavioral approach to current legal and political position of women in U.S., especially in Hawaii. Common law, judicial decisions and federal-state legislation affecting women of various socio-economic groups.

Daily 10:10-11:45

399 Introduction to Independent Study (v) R. Clopton
A contract course in the methods and initial phases of independent study leading to the B.A. degree. Limited to former New College program students with junior standing. May be repeated for credit. Pre: permission of Liberal Studies Director.

HRS. ARR.

499 Graduation Contract Independent Study (v) R. Clopton
Final contract course in independent study to develop an area of competence at the B.A. level and a related creative project. Limited to former New College program students with senior standing who are candidates for the B.A. degree. May be repeated for credit. Pre: at least 15 credits of IS 399 (or former NC 399) and permission of Liberal Studies Director.

HRS. ARR.

HUMAN DEVELOPMENT

Fashion Design, Textiles and Merchandising (FDM)

FIRST TERM

111 Esthetics of Clothing (3) J. Sankey
Factors involved in clothing selection. Principles of line, color, design for individual figures. Consumer buying of wardrobes.

Daily 8:45-10:00

125 Fashion Analysis (3) J. Sankey
Dynamics of fashion; environmental factors in influencing fashion demand; analysis of trends, history, structure and terminology of the fashion industry.

Daily 10:10-11:25

SECOND TERM

329 Field Experience (3) J. Sankey
Minimum of eight weeks’ full time supervised internship in the fashion industry; comprehensive terminal report required. Pre: 327 and consent of instructor.

HRS. ARR.

Food and Nutritional Sciences (FNS)

FIRST TERM

499 Directed Research (v) Staff

HRS. ARR.

699 Directed Research (v) Staff

HRS. ARR.

800 Thesis (v) Staff

HRS. ARR.

SECOND TERM

377 Pacific Foods (3) M. L. Ching
To acquaint the student with food habits, customs and cookery of some nations bordering the Pacific. Chinese, Filipino, Hawaiian, Japanese and Korean foods will be prepared and served. One lecture period and one laboratory period per week. (Write instructor for details.) Pre: Basic food course or advanced food course. Lab fee $20.

M 10:10-12:10 Lab TTh 10:10-12:10

480 Nutrition Education for School Teachers (3) B. Standal
Course presents: (1) The basic concepts of nutrition and the functions of nutrients in body processes. (2) The nutritional requirements throughout the life cycle. (3) Audio-visual methods to teach nutrition. Designed primarily for teachers but also valuable for workers in health-related fields.

Daily 8:45-10:00

499 Directed Research (v) Staff

HRS. ARR.

55

699 Directed Research (v) Staff

HRS. ARR.

800 Thesis (v) Staff

HRS. ARR.

Home Economics (HE)

FIRST TERM

499 Directed Reading and Research (v) V. Dale

699 Directed Reading and Research (v) Staff

Human Development (HD)

FIRST TERM

231 Introduction to Human Development (3) C. Meredith
Principles of development from conception to puberty. Focus on the interrelation of physical, cognitive, and social-emotional aspects of the individual during this period.

Daily 10:10-11:25

232 Introduction to Human Development (3) A. Niyekawa-Howard
Principles of development from puberty to death. Focus on the interrelation of physical, cognitive, and social-emotional aspects of the individual during this period. 231 and 232 need not be taken in sequence.

Daily 8:45-10:00

300 Interpersonal Relations (3) D. Kappenberg
Multidisciplinary approach to interpersonal relations within a variety of human groups and settings within the social system.

Daily 8:45-10:00

345 Group Leadership (3) D. Kappenberg
Sociological and psychological concepts pertaining to individual motivation and internal and external group forces. Emphasis on application of knowledge and group techniques in a variety of human development settings.

Daily 11:35-12:50
INDO-PACIFIC LANGUAGES

General (IP)

FIRST TERM

111 Directed Elementary Language Study (6)  Staff
Directed study of a South Asian, Southeast Asian or Pacific language not regularly listed by the department. Pre: consent of instructor.  Hrs. arr.

499 Directed Studies (v)  Staff
Study of a Pacific, South Asian or Southeast Asian language through vernacular readings in various academic fields. May be repeated. Pre: third-level language and consent of instructor.  Hrs. arr.

690 Directed Reading (v)  Staff
Directed reading of advanced texts written in a South Asian, Southeast Asian or Pacific language. Pre: consent of instructor.  Hrs. arr.

SECOND TERM

112 Directed Intermediate Language Study (6)  Staff
Continuation of 111. Pre: consent of instructor.  Hrs. arr.

499 Directed Studies (v)  Staff
Study of a Pacific, South Asian or Southeast Asian language through vernacular readings in various academic fields. May be repeated. Pre: third-level language and consent of instructor.  Hrs. arr.

690 Directed Reading (v)  Staff
Directed reading of advanced texts written in a South Asian, Southeast Asian or Pacific language. Pre: consent of instructor.  Hrs. arr.

Burmese (Burm)

FIRST TERM

111 Elementary Burmese (6)  Staff
Development of listening, speaking, reading, writing skills. Structural points introduced inductively. Laboratory work. May 26 - July 26  Hrs. arr.

112 Intermediate Burmese (6)  Staff
Continuation of 111. Conversation, reading, writing. Laboratory work. Pre: 111 or equivalent. May 26 - July 26  Hrs. arr.

Hawaiian (Haw)

FIRST TERM

101 Elementary Hawaiian (3)  E. Hawkins
Development of listening, speaking, reading, writing skills. Daily laboratory work. Daily 8:45-10:50 plus laboratory

201 Intermediate Hawaiian (4)  T. Bernardino
Continuation of 102. Reading of traditional texts. Daily laboratory work. Pre: 102 or equivalent. Daily 8:45-10:50 plus laboratory

301 Third-Level Hawaiian (3)  S. Nakoa
Continuation of 202. Conducted in Hawaiian. Advanced conversation and reading. Pre: 202 or equivalent. Daily 8:45-10:50 plus laboratory

SECOND TERM

102 Elementary Hawaiian (3)  E. Hawkins
Continuation of 101. Daily 8:45-10:50 plus laboratory

202 Intermediate Hawaiian (4)  T. Bernardino
Continuation of 201. Daily 8:45-10:50 plus laboratory

302 Third-Level Hawaiian (3)  S. Nakoa
Continuation of 301. Daily 8:45-10:50 plus laboratory

Ilokano (Ilo)

FIRST TERM

111 Elementary Ilokano (6)  P. Espiritu
Development of listening, speaking, reading, writing skills. Structural points introduced inductively. Daily laboratory work. Daily 12:00-5:00 plus laboratory

SECOND TERM

112 Intermediate Indonesian (6)  G. de Heer
Continuation of 111. Daily laboratory work. Pre: 111 or equivalent. Daily 9:00-12:00; 1:00-3:00 plus laboratory

Indonesian (Ind)

FIRST TERM

111 Elementary Indonesian (6)  S. Dardjowidjojo
Development of listening, speaking, reading, writing skills. Structural points introduced inductively. Daily laboratory work. Daily 7:30-10:00; 2:30-4:30 plus laboratory

SECOND TERM

112 Intermediate Indonesian (6)  Staff
Continuation of 111. Daily laboratory work. Pre: 111 or equivalent. Daily 7:30-10:00; 2:30-4:30 plus laboratory

Lao (Lao)

FIRST TERM

111 Elementary Lao (6)  T. Gething
Development of listening, speaking, reading, writing skills. Structural points introduced inductively. Daily laboratory work. May 28 - July 26  Daily 12:00-3:00 plus laboratory

112 Intermediate Lao (6)  Staff
Continuation of 111. Daily laboratory work. Pre: 111 or equivalent. May 28 - July 26  Daily 8:00-11:00 plus laboratory

Samoa (Sam)

FIRST TERM

111 Elementary Samoan (6)  S. Paopao
Development of listening, speaking, reading, writing skills. Daily laboratory work. May 28 - July 26  Daily 7:30-11:15 plus laboratory
Tagalog (Tag)

FIRST TERM
101 Elementary Tagalog (3) T. Ramos
Development of listening, speaking, reading, writing skills. Structural points introduced inductively. Daily laboratory work.
Daily 10:00-12:00 plus laboratory

201 Intermediate Tagalog (3) T. Ramos
Continuation of 102. Daily laboratory work. Pre: 102 or equivalent.
Daily 1:30-3:30 plus laboratory

SECOND TERM
102 Elementary Tagalog (3) B. Ongteco
Continuation of 101.
Daily 10:00-12:00 plus laboratory

202 Intermediate Tagalog (3) B. Ongteco
Continuation of 201.
Daily 1:30-3:30 plus laboratory

297 Philippine Language and Culture (3) T. Ramos
Introduction (conducted in English) to the cultural aspects of Philippine languages and literature which includes a background on the history, geography, people, values and foreign influences that led to the current language situation in the country.
Daily 8:00-10:00

Tahitian (Tah)

FIRST TERM
111 Elementary Tahitian (6) E. Mapuhi, J. Ward
Development of listening, speaking, reading, writing skills. Daily laboratory work.
Daily 8:30-12:00; 1:30-2:30 plus laboratory

Thai (Thai)

FIRST TERM
111 Elementary Thai (6) V. Grandstaff, T. Gething
Development of listening, speaking, reading, writing skills. Structural points introduced inductively. Daily laboratory work.
May 28-July 26
Daily 8:00-11:30 plus laboratory

112 Intermediate Thai (6) V. Grandstaff
Continuation of 111. Daily laboratory work. Pre: 111 or equivalent.
May 28-July 26
Daily 8:30-11:30 plus laboratory

303 Third-Level Thai (6) Staff
Continuation of 112. Study of modern written texts. Laboratory work. Pre: 112 or equivalent. May 28-July 26
Daily 8:00-11:00 plus laboratory

404 Fourth-Level Thai (6) Staff
Continuation of 303. Study of advanced written texts. Advanced conversation. Pre: 303 or equivalent. May 28-July 26
Daily 12:00-3:00 plus laboratory

Vietnamese (Viet)

FIRST TERM
111 Elementary Vietnamese (6) Staff
Development of listening, speaking, reading, writing skills. Structural and cultural points introduced inductively. Daily laboratory work. May 28-July 26
Daily 8:30-11:30 plus laboratory

112 Intermediate Vietnamese (6) Staff
Continuation of 111. After completion, student should be proficient in use of all major sentence patterns, able to produce sounds, combination of sounds, tones, and intonation and should have some understanding of Vietnamese culture. Daily laboratory work. Pre: 111 or equivalent. May 28-July 26
Daily 8:30-11:30 plus laboratory

303 Third-Level Vietnamese (6) Staff
Continuation of 112. Emphasis upon vocabulary building, mastery of sentence structures, and cultural appreciation through reading, composition and conversation. Pre: 112 or equivalent. May 28-July 26
Daily 1:00-4:00 plus laboratory

404 Fourth-Level Vietnamese (6) Staff
Continuation of 303. Extensive reading and oral discussion with emphasis on academic and cultural topics. Pre: 303 or equivalent. May 28-July 26
Daily 1:00-4:00 plus laboratory
INFORMATION AND COMPUTER SCIENCES (ICS)

FIRST TERM

301 Computers and Information Sciences (3) V. Nicholson
Daily 10:10-11:25

371 Elementary Probability Theory (3) E. Bertram
(2 sections)
Sets, discrete sample spaces, problems in combinatorial probability, conditional probability, random variables, mathematical expectations, moments, variance, study of the classical distributions (binomial, Poisson, normal, etc.), applications. Pre: one semester of calculus or consent of instructor. (Identical with Math 371.)
Daily (1) 8:45-10:00
(2) 11:35-12:50

467 Algorithmic Languages (4) D. Streveler
Introduction to algorithms, languages for describing them, associated programming techniques. Commonly used languages for numerical and non-numerical computation. Pre: knowledge of some general programming language, such as FORTRAN, PL/1, or COBOL. May 28-August 2
MWF 2:35-3:50

SECOND TERM

302 Computers and Information Sciences (3) D. Streveler
Daily 10:10-11:25

371 Elementary Probability Theory (3) C. Allday
(2 sections)
Sets, discrete sample spaces, problems in combinatorial probability, conditional probability, random variables, mathematical expectations, moments, variance, study of the classical distributions (binomial, Poisson, normal, etc.), applications. Pre: one semester of calculus or consent of instructor. (Identical with Math 371.)
Daily (1) 8:45-10:00
(2) 11:35-12:50

LIBRARY STUDIES (LS)

Registration in library studies courses requires the approval of the Dean of the Graduate School of Library Studies.

FIRST TERM

601 Bibliography and Reference Sources (3) F. O'Halloran
An analysis of the means by which the availability and content of graphic materials are recorded; the characteristics and problems of national and subject bibliography, and the 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. June 17-July 5
Daily 9:00-11:30

615 Building Library Collections (3) M. Taylor
Criteria and tools for evaluating and selecting library materials, devising and maintaining an acquisition program, and the structure of the commercial and non-commercial book trade. Findings of studies of library use are drawn upon where applicable. May 28-June 14
Daily 9:00-11:30

642 Audio-Visual Services in Libraries (3) E.T. Schofield
Films, filmstrips, recordings, and related media as they apply to various types of educational programs in libraries. Sources, evaluations, organization, and use of audio-visual materials. Materials are viewed or audited and judged. May 28-June 14
Daily 1:00-3:30

681 Reading Materials for Children (3) T. Bard
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. June 17-July 5
Daily 1:00-3:30
683 Services for Children and Young People (3)  
E. T. Schofield  
Organization and provision of services from preschool through young adult years, considering both school and public libraries. Attention is given to preparation of lessons in use of books and libraries. June 17-July 5  
Daily 9:00-11:30

705 Asian Reference Sources (3)  
R. Nunn  
Bibliographical and reference tools and services in Asian countries with special attention to source materials. June 17-July 5  
Daily 1:00-3:30

SECOND TERM

602 Advanced Reference Sources (3)  
F. O'Halloran  
Continued discussion of the various types of general reference tools. Introduction to the subject approach in reference work through the three major areas: the sciences, the social sciences, and the humanities. Each area is analyzed in terms both of the characteristics of the literature and of the typical problems and methods of reference work; and the major works in each area are studied as examples. Pre: 601. July 8-July 26  
Daily 1:00-3:30

605 Basic Cataloging and Classification (3)  
A. Kamida  
An introductory course in cataloging and classification. Covers principles and practice of descriptive cataloging, the structure and application of the Dewey Decimal Classification and Sears’ List of Subject Headings. Includes survey of commercial cataloging services. July 8-July 26  
Daily 9:00-11:30

685 Traditional Literature and Oral Narration (3)  
T. Bard  
Analysis and evaluation of traditional literature of various countries emphasizing the Pacific Ocean area and Asia with attention to its values and use as source material for storytelling. Instruction and practice in the selection, adaptation and presentation of stories. July 8-July 26  
Daily 9:00-11:30

696 Field Seminar (Information Industry in Asia I) (3)  
J. Abrera, R. Stevens, Y. Suzuki, S. Vann  
An overview of media development and uses: media relationships; government controls; copyright; international trade barriers and/or flow; international standardization; scientific and technical information for developing countries; publishing milieu: the publishers, publishing programs, distribution patterns; national and trade bibliographic patterns; libraries and library associations; libraries in their local milieu: present and future; sources of reviews of published resources; brief comparison to developments in other parts of the world. Within the United States: libraries with special collections of literature published in certain Asian countries; acquisitions problems and solutions; surveys of reader needs/uses of local literatures; contributions of the Library of Congress. Asian countries for special study: Emphasis on East and Southeast Asia. July 8-July 26  
Daily 1:30-4:00

696 Field Seminar (Information Industry in Asia II) (3)  
J. Abrera, R. Stevens, Y. Suzuki, S. Vann  
An overview of media development and uses: media relationships; government controls; copyright; international trade barriers and/or flow; international standardization; scientific and technical information for developing countries; publishing milieu: the publishers, publishing programs, distribution patterns; national and trade bibliographic patterns; libraries and library associations; libraries in their local milieu: present and future; sources of reviews of published resources; brief comparison to developments in other parts of the world. Within the United States: libraries with special collections of literature published in certain Asian countries; acquisition problems and solutions; surveys of reader needs/uses of local literatures; contributions of the Library of Congress. Asian countries for special study: Emphasis on East and Southeast Asia. July 29-August 16  
Daily 1:30-4:00

LINGUISTICS (Ling)

FIRST TERM

102 Introduction to the Study of Language (3)  
L. Condax  
Nature and workings of language; its role in culture and history. Daily 8:45-10:00

320 General Linguistics (3)  
L. Reid  
Approaches, concepts, component areas of linguistics: its development as a science. Daily 10:10-11:25

414 Introduction to Linguistic Anthropology (3)  
J. Blimes  
Introduction to the ethnographic study of speech and language. Pre: written consent of instructor. (Identical with Anth 414.) Daily 11:35-12:50

SECOND TERM

200 Languages of the World (3)  
S. Hayasaka  
Survey of major languages and language families of the world, including brief characterizations of their salient features, and attention to the numbers and distribution of their speakers. Pre: 102. Daily 8:45-10:00

470 Introduction to the Study of Children's Speech (3)  
R. Scollon  
Survey of findings regarding the child’s acquisition of language. Pre: 102 or 320. Daily 1:10-2:25

660E Historical Linguistics: History of English Syntax (3)  
R. Jacobs  
An analysis of English syntax and morphology from the historical point of view tracing the development of English from the Anglo-Saxon period to the present day. (Identical with ESL 600C.) Daily 10:10-11:25
MA \THEMATICS (Math)

FIRST TERM

100 Survey of Mathematics (3)  J. Johnson
(2 sections)
Selected topics designed to acquaint non-specialists with examples
of mathematical reasoning.
Daily (1) 7:20- 8:35
(2) 10:10-11:25

111 Introduction to Mathematics (3)  S. Kranzler, E. Mookini
(2 sections)
Study of concepts and properties of number systems. (Limited to
potential Elementary Education majors.)
Daily (1) 7:20- 8:35 (Kranzler)
(2) 10:10-11:25 (Mookini)

134 Pre-Calculus Mathematics (4)  D. McCurdy, R. Olson
T. McDermott
Algebraic operations as applied to elementary functions and equa­
tions; graphs; trigonometric functions; lines and conics. Pre: two
years of high school algebra and one year of plane geometry;
satisfactory score on algebra screening test to be administered dur­ing
first meeting of class. May 28-August 2
MTWF (1) 7:20- 8:35 (McCurdy)
(2) 8:45-10:00 (Olson)
(3) 11:35-12:50 (Olson)
(4) 1:10- 2:25 (McDermott)

201 Finite Mathematics (3)  H. Bear
Algebra of sets, elementary probability theory, vectors and matrices,
linear programming, theory of games. Pre: 134 or equivalent.
Daily 1:10-2:25

205 Calculus I (3)  J. Siu, W. Lampe
(4 sections)
Basic concepts; differentiation with applications; log and expo­
nential functions. Pre: C in 134 or in equivalent courses covering
trigonometry and analytic geometry. May 28-August 2
MWF (1) 7:20- 8:35 (Siu)
(2) 8:45-10:00 (Lampe)
(3) 11:35-12:50 (Lampe)
(4) 1:10- 2:25 (Lampe)

206 Calculus II (3)  F. Beers, T. Hoover
(3 sections)
Integrals of trigonometric, exponential, and logarithmic functions;
techniques of integration; Taylor approximations. Pre: C in 205
or equivalent. May 28-August 2
MWF (1) 7:20- 8:35 (Beers)
(2) 10:10-11:25 (Hoover)
(3) 11:35-12:50 (Hoover)

231 Calculus III (3)  R. Crosby
(2 sections)
Vector-oriented study of functions of several variables; partial dif­
ferentiation and line integrals; multiple integrals. Pre: C in 206 or
equivalent. May 28-August 2
MWF (1) 10:10-11:25
(2) 11:35-12:50

232 Calculus IV (3)  E. Mookini
First and second order ordinary differential equations, linear equa­
tions with constant coefficients. Infinite series with applications in
differential equations. Pre: 231 or consent of instructor.
Daily 8:45-10:00

251 Informal Geometry (3)  G. Csordas
Informal treatment of non-metric relationships, congruence and
similarity, polygons and polyhedrons, transformations. (Primarily
for Elementary Education majors.) Pre: 111 or equivalent.
Daily 10:10-11:25

311 Introduction to Linear Algebra (3)  F. Iha
Algebra of matrices, linear equations, real vector spaces and trans­
formations. Pre: 231. May 28-August 2
MWF 10:10-11:25

371 Elementary Probability Theory (3)  E. Bertram
(2 sections)
Sets, discrete sample spaces, problems in combinatorial probability,
conditional probability, random variables, mathematical expecta­
tions, moments, variance, study of the classical distributions (bi­
nomial, Poisson, normal, etc.), applications. Pre: one semester of
calculus or consent of instructor. (Identical with ICS 371.)
Daily (1) 8:45-10:00
(2) 11:35-12:50

402 Partial Differential Equations (3)  M. Lee
Integral surfaces and characteristics of first and second order par­
tial differential equations. Applications to the equations of mathe­
Daily 8:45-10:00

403 Methods of Applied Mathematics (3)  K. Rogers
Vector calculus, functions of complex variable, residue theory, con­
formal mapping, Fourier series and integrals, Laplace transforms,
special functions, partial differential equations, calculus of varia­
tions. Pre: 232.
Daily 7:20-8:35

412 Introduction to Abstract Algebra (3)  R. Freese
Introduction to basic algebraic structures. Topics include finite
groups, abelian groups, integral domains, quotient fields, factoriza­
tion, polynomial rings, field extensions, vector spaces, linear trans­
formations and canonical forms. Pre: 311. May 28-August 2
MWF 8:45-10:00

SECOND TERM

097 Intermediate Algebra (0)  M. Imura
Arithmetic operations on numbers and on algebraic expressions.
Products, factoring, fractions, exponents, and radicals. Linear and
quadratic equations. Inequalities. Polynomials and their roots. Two
years' work in high school algebra is assumed.
Daily 8:45-10:00

100 Survey of Mathematics (3)  R. Colby
(2 sections)
Selected topics designed to acquaint non-specialists with examples
of mathematical reasoning.
Daily (1) 8:45-10:00
(2) 10:10-11:25

111 Introduction to Mathematics (3)  E. Spielvogel
Study of concepts and properties of number systems. (Limited to
potential Elementary Education majors.)
Daily 10:10-11:25

232 Calculus IV (3)  T. Craven
First and second order ordinary differential equations, linear equa­
tions with constant coefficients. Infinite series with applications in
differential equations. Pre: 231 or consent of instructor.
Daily 8:45-10:00

371 Elementary Probability Theory (3)  C. Allday
(2 sections)
Sets, discrete sample spaces, problems in combinatorial probability,
conditional probability, random variables, mathematical expecta­
tions, moments, variance, study of the classical distributions (bi­
nomial, Poisson, normal, etc.), applications. Pre: one semester of
calculus or consent of instructor. (Identical with ICS 371.)
Daily (1) 8:45-10:00
(2) 11:35-12:50

373 Elementary Statistics (3)  R. Little
Estimation, tests of significance, the concept of power. Pre: 371.
Daily 10:10-11:25
### MUSIC

**SECOND TERM**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>351</td>
<td>Procarotic Biology (4)</td>
<td>L.W. Parks</td>
</tr>
<tr>
<td></td>
<td>Study of bacteria: their anatomy, chemistry, physiology and development, their roles in natural processes. Pre: Biol 220, Chem 241-242 or 244; or consent of instructor.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Daily 8:45-10:00 Lab: MTWTh 10:10-12:50</td>
<td></td>
</tr>
<tr>
<td>499</td>
<td>Microbiological Problems (v)</td>
<td>Staff</td>
</tr>
<tr>
<td></td>
<td>Directed reading and research. Pre: consent of instructor.</td>
<td></td>
</tr>
<tr>
<td>699</td>
<td>Directed Research (v)</td>
<td>Staff</td>
</tr>
<tr>
<td></td>
<td>Selected problems in microbiology. Pre: consent of instructor.</td>
<td></td>
</tr>
</tbody>
</table>

### MEDICAL TECHNOLOGY (MT)

#### FIRST TERM

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>366</td>
<td>Internship (2)</td>
<td>Staff</td>
</tr>
<tr>
<td></td>
<td>Internship in affiliated hospital. Pre: three years of prescribed courses, MT 301-302. Hrs. arr.</td>
<td></td>
</tr>
</tbody>
</table>

### METEOROLOGY (Met)

#### SECOND TERM

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>101</td>
<td>Climate, Weather and the Atmosphere (4)</td>
<td>C. Adams, P. Daniels</td>
</tr>
<tr>
<td></td>
<td>Introductory course for non-science majors and prospective science teachers, using the atmosphere to study basic physical laws. Encompasses sun-earth-ocean-atmosphere interrelationships; clouds and hydrometeors; rainbows and optical properties; atmospheric electricity; environmental pollution; atmospheric motions; weather forecasting. Course concludes with a survey of the weather of Hawaii. MTWTh 10:10-11:25 Lab (1) Th 1:10-3:50 (2) F 8:45-11:25</td>
<td></td>
</tr>
<tr>
<td>799</td>
<td>Directed Research (v)</td>
<td>C. Ramage</td>
</tr>
<tr>
<td></td>
<td>Hrs. arr.</td>
<td></td>
</tr>
</tbody>
</table>

### MICROBIOLOGY (Micro)

#### FIRST TERM

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>130</td>
<td>General Microbiology (3)</td>
<td>J.B. Hall</td>
</tr>
<tr>
<td></td>
<td>Fundamentals of microbiology. The role of microorganisms and how they affect man and his possessions. Discussion groups optional. Not open to those who have credit in 351. Daily 1:10-2:25</td>
<td></td>
</tr>
<tr>
<td>130L</td>
<td>Microbiology Laboratory (1)</td>
<td>J.B. Hall</td>
</tr>
<tr>
<td></td>
<td>Primarily for students in nursing and dental hygiene. Pre: credit or registration in 130; Chem 113-115 or equivalent. MWF 7:45-11:00</td>
<td></td>
</tr>
<tr>
<td>499</td>
<td>Microbiological Problems (v)</td>
<td>Staff</td>
</tr>
<tr>
<td></td>
<td>Directed reading and research. Pre: consent of instructor.</td>
<td></td>
</tr>
<tr>
<td>699</td>
<td>Directed Research (v)</td>
<td>Staff</td>
</tr>
<tr>
<td></td>
<td>Selected problems in microbiology. Pre: consent of instructor.</td>
<td></td>
</tr>
</tbody>
</table>
Applied Music

130, 230, 430 Individual Instruction, Ethnic (1)
For non-music or music majors. May be repeated. Pre: consent of instructor and department chairman. Course fee $90.
Hrs. arr.
Registration at appropriate level to be determined by instructor.
(C)Shamisen—C. Yamada; (D)South Indian Singing—K. Chaitanya;
(H)Philippine Dance—Z. Batoon; (I)Okinawan Dance—Y. Nakasone

131, 231, 431 Individual Instruction, Western (1)
For non-music or music majors. May be repeated. Pre: consent of instructor and department chairman. Course fee $90.
Hrs. arr.
Registration at appropriate level to be determined by instructor.
(B)Voice—W. Gray, A. Rowell; (C)Piano—W. Thrall, N. Zumbro;
(D)Organ—N. Hallman; (G)Classical Guitar—B. Yasui; (K)Double Bass—H. Ward; (N)Oboe—V. Lambert; (R)Trumpet—N. Birnbaum, R. Lum; (U)Tuba—A. Ing

SECOND TERM

125 Elementary Piano Class (1)   E. Shipwright
Basic principles of piano performance. Relevant problems in piano literature at elementary level. Pre: consent of instructor.
Daily 10:10-11:00

126 Elementary Piano Class (1)   E. Shipwright
Basic principles of piano performance. Relevant problems in piano literature at elementary level. Pre: 125.
Daily 9:10-10:00

129 Elementary Classical Guitar Class (1)   B. Yasui
Basic principles of classical guitar performance. Relevant problems in guitar literature at elementary level. Pre: consent of instructor. Cannot be audited.
Daily 7:45-8:35

140 Recreational Music (2)   R. Lum
Elementary music skills including instruction on ukulele. For recreation majors but open to others.
Daily 10:10-11:00

160 Introduction to Music Literature (3)   L. Rowell
Elements, styles and forms of music from listener's point of view.
Daily 8:45-10:00

170 Music in World Culture (3)   R. Trimillos
Role of music in societies—ancient and modern, sophisticated and non-sophisticated, Western and non-Western, child and adult. Representative styles and regional characteristics.
Daily 10:10-11:25

180 Fundamentals of Western Music (3)   A. Russell
Fundamental concepts in organization of music as expressive medium in Western culture. Roles of composer, performer and listener. Notation as mode of communication. Discovery and verification of ideas through laboratory experience.
Daily 10:20-12:00

190 Dance in World Cultures (3)   J. Van Zile
An introduction to movement and dance with emphasis on Pacific and Asian cultures.
Daily 8:45-10:00

325 Conducting (1)   R. Lum
Problems in directing instrumental and choral ensembles and organizations. Score reading, rehearsal techniques and basic interpretative problems. Pre: 182.
Daily 9:10-10:00

402E Ethnic Music Ensembles (1)   C. W. Kim
Korean Music Ensemble. Pre: audition or consent of instructor. May be repeated for credit.
MWF 4:10-5:25
403 Ethnic Dance Ensembles (I)
Pre: audition or consent of instructor. May be repeated for credit.
(B) Hawaiian Ensemble—H. Cambra
Daily 11:35-12:50
(C) Japanese Bon Dance—M. Yamada
MW 2:35-3:50
(E) Korean Dance Ensemble—C. W. Kim
TTh 4:10-5:25
(H) Javanese Dance Ensemble—H. Susilo
TTh 2:35-3:50

407B University Javanese Gamelan (I)
H. Susilo
Performance of Jogja and Solo gamelan traditions, including literature for ujon-ujon, wajang kiu/u, and wajang wong. Pre: either 170, 470, 477 or consent of instructor. May be repeated.
MW 8:45-10:00

409 University Band (I)
Performance of band literature, including major works by contemporary composers. Pre: audition or consent of instructor. May be repeated for credit.
Daily 11:35-12:25

457 Asian and Pacific Music in Education
D. Gillett, H. Susilo
Musical concepts in songs, dances and instrumental music of Asia, Hawaii and other Pacific islands appropriate for elementary school. Pre: 352 or 353; teaching experience or consent of instructor. Daily 10:10-11:00

519 Music for Elementary Teachers (3)
D. Gillett, B. Yasui
Music fundamentals; basic music skills and theory with emphasis on reading music. Sight-singing, ear training through melodic and rhythmic dictation, creative activities, analysis of simple song forms, study of basic harmony with direct application to classroom instruments. Pre: 118 or 119 or 180 or consent of instructor.
Daily 8:45-10:00

600F Seminar in Music Education (3)
M. Tait
Selected problems in music education. Pre: consent of instructor. May be repeated.
Daily 11:35-12:50

657 World Musics in Undergraduate Education (2)
R. Trimillos
Concepts and materials for junior college and undergraduate courses in ethnic musics. To prepare teachers and intending teachers to structure and teach courses in non-Western musics. Daily 1:35-2:25

Applied Music

130, 230, 430 Individual Instruction, Ethnic (1)
For non-music or music majors. May be repeated. Pre: consent of instructor and department chairman. Course fee $90.
Hrs. arr.
Registration at appropriate level to be determined by instructor. (D) South Indian Singing—R. Chaitanya; (F) Japanese Dance—T. Arai; (I) Okinawan Dance—Y. Nakasone

131, 231, 431 Individual Instruction, Western (1)
For non-music or music majors. May be repeated. Pre: consent of instructor and department chairman. Course fee $90.
Hrs. arr.
Registration at appropriate level to be determined by instructor. (B) Voice—W. Gray, A. Rowell; (C) Piano—E. Shipwright, W. Thrall; (D) Organ—N. Hallman; (G) Classical Guitar—B. Yasui; (K) Double Bass—H. Ward; (N) Oboe—V. Lambert; (R) Trumpet—N. Birnbaum, R. Lum; (U) Tuba—A. Ing.
PHARMACOLOGY (Pharm)

FIRST TERM

641 Pharmacological Techniques (v) B. Lum, Staff
Program in which new graduate students of the department will rotate through laboratories of several faculty members in order to become familiar with research projects and techniques which are ongoing within the department. Student will spend approximately one month in each laboratory. Pre: permission of the department. Hrs. arr.

699 Directed Research (v) Staff
Hrs. arr.

SECOND TERM

641 Pharmacological Techniques (v) B. Lum, Staff
Program in which new graduate students of the department will rotate through laboratories of several faculty members in order to become familiar with research projects and techniques which are ongoing within the department. Student will spend approximately one month in each laboratory. Pre: permission of the department. Hrs. arr.

699 Directed Research (v) Staff
Hrs. arr.

PHILOSOPHY (Phil)

FIRST TERM

100 Introduction to Philosophy (3) F. Bender
Problems, methods, fields of philosophy. Daily 10:45-10:00

210 Introduction to Logic (3) R. Assali
Principles of modern deductive logic. Daily 11:35-12:50

435 Philosophy of Religion (3) L. Goodman
Problems concerning existence of God, nature of religious experience, faith and reason, immortality, religious language, alternatives to theism. (Identical with Rel 435.) Daily 8:45-10:00

449G Philosophical Topics: Topics in Zen Phil (3) C-Y. Cheng
Discussion of the historical and philosophical aspects of Chinese Ch'an Buddhism and Japanese Zen Buddhism, also covering Ch'an and Zen in art and poetry and their relevance for ordinary life and living. Daily 11:35-12:50

450 Indian Philosophy (3) K. Upadhyaya
Philosophical systems and movements: Vedas, Upanishads, six systems of Hinduism, Charvaka, Jainism, Buddhism. Daily 10:45-11:25

470 Chinese Philosophy (3) C-Y. Cheng
Historical survey of important philosophical schools and tendencies in China, ancient and modern. Daily 8:45-10:00

700G Individual Western Philosophers: Heidegger (3) F. Bender
Discussion of Being and Time, with emphasis upon Heidegger's analyses of praxis, objectivity, mood, anxiety, being-unto-death, historicity and the hermeneutic-phenomenological method. Pre: Graduate standing or consent of the instructor. Daily 11:35-12:50

SECOND TERM

100 Introduction to Philosophy (3) W. Nagley
Problems, methods, fields of philosophy. Daily 8:45-10:00

200 History of Philosophy I (3) R. Moore
Western philosophy from era of great Greek thinkers to Renaissance. Daily 10:10-11:25

445 Symbolic Logic I (3) E. Harter
Intermediate level course designed to impart the techniques of symbolic logic, both the propositional calculus and first order predicate calculus. Desirable preparation: 210. Daily 10:10-11:25

448E Comprehensive Philosophical Systems: Yoga (3)
Systematic study of the philosophy and technique of Yoga as expounded in the classical Yoga-Sutra of Patanjali. Daily 8:45-10:00

PHYSICS (Phys)

FIRST TERM

100 Survey of Physics (3) K. Nose
Introduction to physics: basic concepts. Not open to those with previous college physics or experience beyond Math 134. Daily 8:45-10:00

100L Survey of Physics Laboratory (I) B. Kanehiro
Simple experiments in basic concepts of physics. Pre: credit or concurrent enrollment in 100 or 102. TF 11:35-2:25

110 Astronomy (3) W. Heacox
Survey of nature of astronomical universe, with much emphasis on scientific method and development of scientific thought. Pre: high school trigonometry. Daily 10:10-11:25

151 College Physics (3) C. Hayes
Fundamental laws, principles, methods. Pre: credit or registration in Math 134. 151 is prerequisite to 152. Daily 7:20-8:35

151L College Physics Laboratory (I) C. Miyazono, J. Okada (4 sections)
Pre: credit or registration in 151. Offered only as credit/no-credit. (1) MTh 8:45-11:35 (Miyazono) (2) MTh 8:45-11:35 (Okada) (3) WF 8:45-11:35 (Miyazono) (4) WF 8:45-11:35 (Okada)

170 General Physics I (4) S. Hwang
Mechanics of particles and rigid bodies; wave motion; thermodynamics and kinetic theory. Pre: credit or registration in Math 206. Daily 8:45-10:25

170L Experimental Analysis in Mechanics and Thermodynamics (1) C. Miyazono, J. Okada
Pre: credit or registration in 170. MW 12:00-2:50

274 General Physics III (3) S. Inatsugu
Relativity, introduction to quantum mechanics, atomic and nuclear physics, physical optics. Pre: 272, 272L or 151-151L, 152-152L; credit or registration in Math 231. Daily 8:45-11:35
SECOND TERM

111 Astronomy (3)  
M. Mongillo
Detailed study of selected topics in astronomy, such as cosmology, star formation, quasars, etc. Emphasis on current research problems. Pre: high school trigonometry.  
Daily 8:45-10:00

152 College Physics (3)  
C. Hayes
Fundamental laws, principles, methods. Pre: credit or registration in Math 134. 151 is prerequisite to 152.  
Daily 7:20-8:35

152L College Physics Laboratory (1)  
C. Inouye, J. Parsons
Continuation of 151L. Pre: credit or registration in 152. Offered only as credit/no-credit.  
(1) MTh 8:45-11:35 (Inouye)  
(2) MTh 8:45-11:35 (Parsons)  
(3) WF 8:45-11:35 (Inouye)  
(4) WF 8:45-11:35 (Parsons)

272 General Physics II (3)  
P. Crooker
Electricity and magnetism; geometrical optics. Pre: 170, 170L.  
Daily 8:45-10:00

272L Experimental Analysis in Electricity and Magnetism and Optics (1)  
C. Inouye, J. Parsons  
Credit or registration in 272.  
MW 12:00-2:50

PHYSIOLOGY (Physl)

FIRST TERM

699 Directed Research (v)  
Staff

800 Thesis Research (v)  
Staff

SECOND TERM

699 Directed Research (v)  
Staff

800 Thesis Research (v)  
Staff

POLITICAL SCIENCE (PolSc)

FIRST TERM

110B(1) Introduction to Political Science (3)  
A. Burhans
We begin by selecting a number—perhaps four or five—of political theorists—both classical and contemporary—whose contributions are of such magnitude as to have entered our everyday lexicon as epithets. For example: Machiavellian (Niccolo Machiavelli), Platonist (Plato), Straussian (Leo Strauss), Marxist (Karl Marx). Analysis of Machiavelli, Plato, Strauss, and Marx as philosophical and scientific thinkers (Mondays, Wednesdays, Fridays) along with an opportunity to learn how to conduct social science research (Tuesdays, Thursdays).  
Daily 7:20-8:35

110B(2) Introduction to Political Science (3)  
Staff
Introduction to political problems, systems, ideologies, processes.  
Daily 1:10-2:25

110B(3) Introduction to Political Science (3)  
H. Kariel
Introduction to the study of political institutions and policies. We'll jointly define our objectives in the process of attaining them.  
Daily 8:45-10:00

110C Japan-United States Politics (3)  
Y. Kuroda
The ubiquitous existence and significance of politics in life. Focus on American politics, Japanese politics, and U.S.-Japan relations including Hawaii-Japan relations. (Identical with 340.)  
Daily 10:10-11:25

110D Policy Formation (3)  
I. Rohter
Political conflict, revolution, elections, and social change examined as expressions of psychological and social forces. Focus on Hawaii, its politics, and the upcoming electoral campaign as manifestations of these forces. (Identical with 330.)  
Daily 1:35-12:50

300 Political Alternatives (3)  
H. Kariel
A series of discussions of alternative courses of political action.  
Daily 10:10-11:25

305 Political Thought (3)  
Staff
A perspective of our ordinary public roles and institutions with a view to deriving a new perspective from idealized forms of politics.  
Daily 8:45-10:00

320 International Relations (3)  
W. Levi
Integrated introduction into international politics and relations. Emphasis on concepts and analysis of international political system, sovereignty, power, nationalism, peace and war, international organization. Current events as case studies.  
Daily 8:45-10:00

325 Introduction to World Politics (3)  
G. Kent
How does the world's political system affect the quality of people's lives? Focus on relationships which govern the distribution of benefits among nations and people. Alternative structures for global politics, and strategies for achieving a more desirable world politics.  
Daily 10:10-11:25

330 Policy Formation (3)  
I. Rohter
Political conflict, revolution, elections, and social change examined as expressions of psychological and social forces. Focus on Hawaii, its politics, and the upcoming electoral campaign as manifestations of these forces. (Identical with 110D.)  
Daily 11:35-12:50

331 Policy Formation (3)  
N. Milner
How policy makers in an urban setting manage discontent and limit citizen participation in the policy process through opting, professionalism, and the claim to authority. Policy making in Hawaii as case studies.  
Daily 7:20-8:35

333 American Government (3)  
J. Dator
A survey of various suggestions for reforming and restructuring the American National Government, including consideration of theories about the historical development and current structure and function of the American political system.  
Daily 8:45-10:00

335 The Presidency (3)  
M. Mezey
The limits of presidential power, the presidential advisory system, the "isolated President" and the relationship between the President and Congress. These themes will be assessed in the light of the events of Watergate as well as other experiences associated with this President and his predecessors.  
Daily 8:45-10:00

340 Japan-United States Politics (3)  
Y. Kuroda
The ubiquitous existence and significance of politics in life. Focus on American politics, Japanese politics, and U.S.-Japan relations including Hawaii-Japan relations. (Identical with 110C.)  
Daily 10:10-11:25
341 Political Development—Asia (3)  S. Cheema
Survey of the major facets of political development theory and research; focus on political development as a theoretical and practical problem; methods of comparative analysis of political institutions and processes in Asia; political parties legislatures, and interest groups in the Third World; main emphasis on South and Southeast Asia.
Daily 10:10-11:25

345 Political Ideology (3)  M. Shapiro
The relationship between drugs and society. Emphasis on the ideological commitments behind the reactions of various groups to drug use problems (for some, of course, drug use is a solution). In addition to readings and discussions, the class will be encouraged to interact with various drug and anti-drug cultures in the Honolulu area.
Daily 8:45-10:00

350 Public Administration and Organization Theory (3)  H. Friedman
Bureaucracy and anti-bureaucracy are counterpoints in this introduction to the study of organizations in their current forms and in trends for the future.
Daily 8:45-10:00

351 Comparative Development Administration (3)  H. Friedman
Analysis of changing patterns of societies in Third-World Asia will be combined with discussions of theories purporting to explain the relation between public administration and social change.
Daily 11:35-12:50

390 Research Colloquium in Political Science (3)  D. Bwy
This is a course in statistics. It will be all lecture, but participation will be invited. A course in statistics that is so simple, clear and useful that someone with no more than a "new math" background can get something out of it.
Daily 8:45-10:00

600 Scope and Methods of Political Science (3)  M. Shapiro
A review of epistemological and methodological issues in the social sciences.
Daily 10:10-11:25

640 Japanese Politics (3)  Y. Kuroda
Introductory course on Japanese politics, focusing on Japan's relations with China and other Asian countries. Cultural, historical, and other factors that shape the nature of Japanese politics as well as the process of decision-making.
Daily 8:45-10:00

SECOND TERM

110B(1) Introduction to Political Science (3)  D. Weaver, Staff
(2 sections)
Introduction to political problems, systems, ideologies, processes.
Daily (1) 7:20-8:35 (Weaver)
(2) 11:35-12:50 (Staff)

301 Political Thought (3)  Staff
Consideration of major elements of political theory.
Daily 10:10-11:25

321 Comparative Foreign Policy: Southeast Asia (3)  L. Howell
Historical introduction, discussion of the concept of foreign policy, studies and exercises in comparison as employed in the behavioral approach, with an application of comparative analysis of Southeast Asian foreign policy through testing of propositions.
Daily 8:45-10:00

325 Ocean Politics (3)  G. Kent
Survey of significant ocean politics globally, nationally and locally, including such issues as shipping, oil and mineral exploitation, coastal zone management, ecological balance, and jurisdictional disputes. Efforts to formulate a new global ocean regime will be reviewed.
Daily 10:10-11:25
### Public Policy (3)  D. Neubauer

Crisis management in the American polity. An analysis of "crisis" as a vehicle for governmental behavior: What are they? Where do they come from? What are their consequences to the "normal" pattern of governmental behavior?

**Daily** 10:10-11:25

### Public Policy (3)  D. Neubauer

A study of the public policy process in the United States. Competing theories of this process will be examined with special attention given to the measurement and evaluation of "governmental output," and the role which electoral processes play in shaping such "output."

**Daily** 11:35-12:50

### Policy Formation (3)  N. Milner

How policy makers in an urban setting manage discontent and limit citizen participation in the policy process through optation, professionalism, and the claim to authority. Policy making in Hawaii as case studies.

**Daily** 8:45-10:00

### Political Development—Asia (3)  Staff

Survey of the major facets of political development theory and research; focus on political development as a theoretical and practical problem; methods of comparative analysis of political institutions and processes in Asia; political parties; legislatures and interest groups in the Third World; main emphasis on South and Southeast Asia.

**Daily** 10:10-11:25

### Colloquium in Political Science (3)  J. Dator

An action-oriented course wherein we will take certain concepts in futuristics and attempt to apply them in specific socio-political situations.

**Daily** 7:20-8:35

### Research Methods in Political Thought (3)  R. Chadwick

Understanding of three modes of inquiry into politics: political inquiry (methods of participant observation, experimentation, survey research, content analysis, ecological analysis) to develop theory; pragmatic political inquiry (simulation, futuristics) to develop achievable alternative futures and work out processes for achieving one of the more desirable ones: intellectual political inquiry (philosophy, ethics, logic) to transcend incompatibilities between the desirable and the possible, through reformulation of world view.

**Daily** 10:10-11:25

### International Relations Theories (3)  R. Chadwick

A perspective on contemporary theories of international relations. Focus on relations between international behavior and national political and economic development. Three classes of theory and their underlying methodology are discussed: empirical theory development, pragmatic investigation, philosophical and ethical investigation.

**Daily** 11:35-12:50

### Politics and Education (3)  M. Dixon

This course is designed primarily for school teachers. A political perspective on school affairs, particularly at the classroom level.

**Daily** 7:20-8:35

---

### PSYCHOLOGY (Psy)

#### FIRST TERM

Psychology 100 or the equivalent is a prerequisite to all other psychology courses listed below, except for Psychology 110.

#### 100 Survey of Psychology (3)  T. Ciborowski, J. Carlson

(2 sections)

- Principles of human behavior, individual differences, motivation, emotion, perception, learning.
  - **Daily** (1) 8:45-10:00 (Ciborowski)
  - (2) 10:10-11:25 (Carlson)

#### 110 Psychology of Adjustment (3)  J. Blaylock, C. O’Donnell

(2 sections)

- Understanding and improving adjustment: needs, frustrations, conflicts, anxiety, patterns of adjustment. Concepts of mental health.
  - **Daily** (1) 7:20-8:35 (Blaylock)
  - (2) 11:35-12:50 (O'Donnell)

#### 113 Statistical Techniques (3)  M. Brown, J. Digman

(2 sections)

- Frequency distributions; graphic methods, central tendency; variability; correlations; reliability; tests of significance. Pre: two years of high school algebra or equivalent.
  - **Daily** (1) 8:45-10:00 (Brown)
  - (2) 11:35-12:50 (Digman)

#### 214 Learning and Motivation (3)  D. Thomas

Major conditions influencing learning and forgetting; the role of practice, reward, motivation, drive and emotion, theoretical interpretations of learning and motivation. Pre: 112.

**Daily** 11:35-12:50

#### 215 Sensory Processes (3)  R. Cole

Psychophysics, vision, audition, taste, smell. Pre: 112.

**Daily** 7:20-8:35

#### 216 Individual Differences and Measurement (3)  J. Digman

Individual differences in personality, aptitude, intelligence, construction, validation, administration of tests, interpretation of scores. Pre: 113.

**Daily** 8:45-10:00

#### 230 Social Behaviorism (3)  J. Carlson

Outline of basic learning principles. A general, unified approach to the study of human personality and behavior. Based upon a learning conception, various areas of psychology and the other social sciences are treated.

**Daily** 8:45-10:00

#### 317 Physiological Psychology (3)  R. Blanchard

Psychological basis of vision, audition, motivation, emotion and learning.

**Daily** 11:35-12:50

#### 319 Experimental Psychology (3)  R. Blackman

Original experiments with emphasis upon laboratory techniques. Control of variables, apparatus design, statistics in research. Pre: 112, 113.

**Daily** 7:20-8:35

#### 320 Developmental Psychology (3)  D. Crowell, T. Ciborowski

(2 sections)

- Emotional, mental, physical, social development from infancy to adulthood, interests and abilities at different age levels.
  - **Daily** (1) 7:20-8:35 (Crowell)
  - (2) 11:35-12:50 (Ciborowski)

#### 321 Psychology of Personality (3)  A. Marsella

Scientific study of personality, its meaning, assessment, development, relation to cultural-social determinants.

**Daily** 10:10-11:25
<table>
<thead>
<tr>
<th>Course Title</th>
<th>Instructor(s)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social Psychology (3)</td>
<td>W. Scott</td>
<td>Interpersonal relations; social attitudes; group dynamics; intergroup relations; class and cultural influences. Daily 8:45-10:00</td>
</tr>
<tr>
<td>Abnormal Psychology (3)</td>
<td>J. Bond, G. Tanabe</td>
<td>Nature and causes of psychoneuroses and psychoses: abnormalities of intelligence; psychotherapy. Daily (1) 7:20-8:35 (Bond) (2) 10:10-11:25 (Tanabe)</td>
</tr>
<tr>
<td>Social Development of Children (3)</td>
<td>R. Dubanoski</td>
<td>Survey of the socialization process and acquisition of social behavior. Pre: 320. Daily 8:45-10:00</td>
</tr>
<tr>
<td>Advanced Undergraduate Seminar: Drugs, the Brain and Behavior (3)</td>
<td>R. Blanchard</td>
<td>Coverage in depth of drug effects on the brain and behavior. May be repeated for credit. Daily 8:45-10:00</td>
</tr>
<tr>
<td>Environmental Psychology (3)</td>
<td>H. Weaver</td>
<td>Psychological aspects of problems of ecology, environment, and the future. Daily 8:45-10:00</td>
</tr>
<tr>
<td>Teaching Psychology (v)</td>
<td>Staff</td>
<td>Supervised experience in teaching psychology. Pre: consent of instructor and department chairman.</td>
</tr>
<tr>
<td>Directed Reading or Research (v)</td>
<td>Staff</td>
<td>Pre: consent of instructor and department chairman.</td>
</tr>
<tr>
<td>Advanced Environmental Psychology (3)</td>
<td>H. Weaver</td>
<td>Psychological aspects of problems of ecology, environment, and the future. Daily 11:35-12:50</td>
</tr>
<tr>
<td>Directed Reading or Research (v)</td>
<td>Staff</td>
<td>Pre: consent of instructor and department chairman.</td>
</tr>
<tr>
<td>Seminar: Social (3)</td>
<td>W. Scott</td>
<td>The structure of natural cognition. MW 1:10-4:25</td>
</tr>
<tr>
<td>Seminar: Developmental (3)</td>
<td>V. Denenberg</td>
<td>Seminar in early experience. TTh 1:10-4:25</td>
</tr>
<tr>
<td>Seminar: Learning (3)</td>
<td>D. Thomas</td>
<td>Biological bases of memory and learning. TTh 1:10-4:25</td>
</tr>
<tr>
<td>Thesis or Dissertation Research (v)</td>
<td>Staff</td>
<td></td>
</tr>
</tbody>
</table>

**SECOND TERM**

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Instructor(s)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Statistical Techniques (3)</td>
<td>K. Minke</td>
<td>Frequency distributions: graphic methods, central tendency; variability; correlations; reliability; tests of significance. Pre: two years of high school algebra or equivalent. Daily 10:10-11:25</td>
</tr>
<tr>
<td>Learning and Motivation (3)</td>
<td>B. Overmier</td>
<td>Major conditions influencing learning and forgetting; the role of practice, reward, motivation, drive and emotion, theoretical interpretations of learning and motivation. Pre: 112. Daily 8:45-10:00</td>
</tr>
<tr>
<td>Sensory Processes (3)</td>
<td>B. Masterton</td>
<td>Psychophysics; vision, audition, taste, smell. Pre: 112. Daily 10:10-11:25</td>
</tr>
<tr>
<td>Individual Differences and Measurement (3)</td>
<td>Staff</td>
<td>Individual differences in personality, aptitude, intelligence; construction, validation, administration of tests; interpretation of scores. Pre: 113. Daily 8:45-10:00</td>
</tr>
<tr>
<td>Physiological Psychology (3)</td>
<td>H. Alpern</td>
<td>Psychological basis of vision, audition, motivation, emotion and learning. Daily 10:10-11:25</td>
</tr>
<tr>
<td>Developmental Psychology (3)</td>
<td>R. Johnson</td>
<td>Emotional, mental, physical, social development from infancy to adulthood: interests and abilities at different age levels. Daily 11:35-12:50</td>
</tr>
<tr>
<td>Psychology of Personality (3)</td>
<td>B. Strickland</td>
<td>Scientific study of personality, its meaning, assessment, development, relation to cultural-social determinants. Daily 10:10-11:25</td>
</tr>
<tr>
<td>Social Psychology (3)</td>
<td>H. Mansson</td>
<td>Interpersonal relations; social attitudes; group dynamics; intergroup relations; class and cultural influences. Daily 8:45-10:00</td>
</tr>
<tr>
<td>History of Psychology (3)</td>
<td>Staff</td>
<td>Background of modern psychology. Origin and development of contemporary points of view. Daily 11:35-12:50</td>
</tr>
<tr>
<td>Abnormal Psychology (3)</td>
<td>D. Meichenbaum</td>
<td>Nature and causes of psychoneuroses and psychoses: abnormalities of intelligence; psychotherapy. Daily 8:45-10:00</td>
</tr>
<tr>
<td>The Exceptional Child (3)</td>
<td>Staff</td>
<td>Evaluation of physical, emotional, and intellectual deviations and their effects upon growth and development of children. Pre: 320. Daily 10:10-11:25</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Instructor</td>
</tr>
<tr>
<td>-------------</td>
<td>----------------------------------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>471</td>
<td>Environmental Psychology (3)</td>
<td>C. Loo</td>
</tr>
<tr>
<td>699</td>
<td>Directed Reading or Research (v)</td>
<td>Staff</td>
</tr>
<tr>
<td>665</td>
<td>Cross-cultural Psychology (3)</td>
<td>H. Mansson</td>
</tr>
<tr>
<td>700C</td>
<td>Seminar: Personality (3)</td>
<td>D. Meichenbaum</td>
</tr>
<tr>
<td>700F</td>
<td>Seminar: Physiological (3)</td>
<td>H. Alpern</td>
</tr>
<tr>
<td>700G</td>
<td>Seminar: General (3)</td>
<td>B. Strickland, R. Johnson</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1. Women's issues in psychology.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2. Methods and data of behavioral</td>
<td></td>
</tr>
<tr>
<td></td>
<td>genetics.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TTh (1) 1:10-4:25 (Strickland)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TTh (2) 1:10-4:25 (Johnson)</td>
<td></td>
</tr>
<tr>
<td>700N</td>
<td>Seminar: Comparative (3)</td>
<td>B. Masterton</td>
</tr>
<tr>
<td>800</td>
<td>Thesis or Dissertation Research (v)</td>
<td>Staff</td>
</tr>
</tbody>
</table>

**PUBLIC HEALTH (PH)**

In general, courses are open to only public health students. Students enrolled in schools or colleges other than the School of Public Health are asked to consult the School’s Student Affairs Office, BioMed D208.

**FIRST TERM**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credit Hours</th>
<th>Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>791B through S</td>
<td>Advanced Public Health Practice (3)</td>
<td>Staff</td>
<td>v</td>
<td></td>
</tr>
<tr>
<td>791B</td>
<td>Adv. PH Practice—Biostatistics</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>791C</td>
<td>Adv. PH Practice—Comprehensive Health Planning</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>791D</td>
<td>Adv. PH Practice—Environmental Management</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>791E</td>
<td>Adv. PH Practice—Environmental Sanitation</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>791F</td>
<td>Adv. PH Practice—Epidemiology</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>791G</td>
<td>Adv. PH Practice—Gerontology</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>791H</td>
<td>Adv. PH Practice—Health Services Administration</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>791J</td>
<td>Adv. PH Practice—International Health</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>791K</td>
<td>Adv. PH Practice—Maternal &amp; Child Health</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>791L</td>
<td>Adv. PH Practice—Mental Health</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>791M</td>
<td>Adv. PH Practice—Population and Family Planning Studies</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>791N</td>
<td>Adv. PH Practice—Public Health Administration</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>791O</td>
<td>Adv. PH Practice—Public Health Education</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>791P</td>
<td>Adv. PH Practice—Public Health Engineering</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>791Q</td>
<td>Adv. PH Practice—Public Health Laboratory</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>791R</td>
<td>Adv. PH Practice—Public Health Nutrition</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>791S</td>
<td>Adv. PH Practice—Mental Retardation</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Twelve-week course; for public health degree candidates only. Observation, study and additional practical work in student's area of emphasis. May not be repeated for credit. Pre: consent of instructor. May 28-August 15

| Hours arr. |

| 799         | Directed Reading/Research (v)                            | Staff               | v            |                   |
|            | Variable credit from 1 to 4. May be repeated for credit. Pre: consent of instructor. |                     |              |                   |
|            | Hrs. arr.                                                |                     |              |                   |

| 800         | Thesis Research (v)                                      | Staff               | v            |                   |
|            | Variable credit from 1 to 6. May be repeated for credit. Pre: consent of instructor. |                     |              |                   |
|            | Hrs. arr.                                                |                     |              |                   |
SECOND TERM

635 Concepts and Practices in Hospital Dietetics (3) J. Hankin
Observation and participation in administrative, therapeutic and teaching activities of dietary departments of private and governmental hospitals in Hawaii. Designed for B.S. trainees with major in foods and nutrition and no dietetics experience. Provides background for consultation to hospitals, nursing homes and day care centers. Prereq: MPH majors in nutrition and consent of instructor. Hrs. arr.

799 Directed Reading/Research (v)
Variable credit from 1 to 4. May be repeated for credit. Prereq: consent of instructor. Hrs. arr.

800 Thesis Research (v)
Variable credit from 1 to 6. May be repeated for credit. Prereq: consent of instructor. Hrs. arr.

RELIGION (Rel)

FIRST TERM

150 Introduction to the World's Major Religions (3) D. Chappell
Introduction to the world's major religions—Hinduism, Buddhism, Shinto, Confucianism, Taoism, Judaism, Islam, Christianity. Daily: 10:10-11:25

151 Religion and the Meaning of Existence (3) S. Crawford
Introduction to basic ideas and issues of contemporary religious thought as related to the question "What is the meaning of existence?" Daily: 8:45-10:00

SECOND TERM

150 Introduction to the World’s Major Religions (3) R. Olson
Introduction to the world's major religions—Hinduism, Buddhism, Shinto, Confucianism, Taoism, Judaism, Islam, Christianity. Daily: 8:45-10:00

151 Religion and the Meaning of Existence (3) R. Bobilin
Introduction to basic ideas and issues of contemporary religious thought as related to the question “What is the meaning of existence?” Daily: 10:10-11:25

495 Confrontations of Death (3) M. Aoki
The objective of the course is to free the student's emotions and enable him to confront and cope with feelings about his own death. Daily: 8:45-10:00

480 History of Religion in Russia (3) M. Klimenko
Historical background of Orthodox Christianity in Russia from the beginnings of the 9th century and following up to the 19th century and its impact on people and culture. Daily: 8:45-10:00

435 Philosophy of Religion (3) L. Goodman
Problems concerning existence of God, nature of religious experience, faith and reason, immortality, religious language, alternatives to theism. (Identical with Phil 435.) Daily: 8:45-10:00

SCIENCE, GENERAL (Sci)

FIRST TERM

426 History of Biology (3) J. Ewan
Growth of biological concepts from primitive man to 20th century considered against world geography, social history, geopolitics and the rise of scientific societies, expeditions, and field stations. (Identical with Bot 426.) Daily: 10:10-11:25

466 Botany of Cook's Voyages (2) J. 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 development of biological concepts. (Identical with Bot 466.) Daily: 7:45-8:35

SOCIAL WORK (SW)

FIRST TERM

300 Field of Social Work (3) Staff
A non-professional orientation course intended to acquaint the student with the philosophy, scope, and aims of social work as a profession. Prereq: junior standing. Daily: 8:45-10:00

603 General Social Work Practice (3) Staff
This course is planned to give the student a basic understanding of
all forms of social work practice. It is focused on the social worker in action with individuals, families, groups, neighborhoods, organizations and communities.

Hrs. arr.

660 Practicum (v) J. Krisberg
The practicum provides an opportunity for the student to see the applicability and experience the use of concepts and principles in actual practice.
Hrs. arr.

796 Directed Individualized Study (v) Staff
By arrangement with instructor only.
Hrs. arr.

797 Directed Individualized Study (v) Staff
By arrangement with instructor only.
Hrs. arr.

SECOND TERM

301 Field of Social Work (3) Staff
A non-professional orientation course intended to acquaint the student with the philosophy, scope, and aims of social work as a profession. Pre: junior standing.
Daily 8:45-10:00

320 Juvenile and Adolescent Offenders (3) J. Nagoshi
The significance of crime and delinquency in American life and our general potential for programs of prevention and control; focus on problems, issues and recent developments; juvenile and criminal justice systems; new approaches and techniques in prevention and treatment.
TTh 8:45-11:25

604 General Social Work Practice (3) Staff
This course is planned to give the student a basic understanding of all forms of social work practice. It is focused on the social worker in action with individuals, families, groups, neighborhoods, organizations and communities.
Hrs. arr.

661 Practicum (v) J. Krisberg
The practicum provides an opportunity for the student to see the applicability and experience the use of concepts and principles in actual practice.
Hrs. arr.

704 General Social Work Practice (3) Staff
This course is designed to broaden and deepen the understanding of the student who has taken courses 603-604.
Hrs. arr.


This course is planned to give the student a basic understanding of the significance of crime and delinquency in American life and our general potential for programs of prevention and control; focus on organizations and communities.

Hrs. arr.

703 General Social Work Practice (3) Staff
This course is designed to broaden and deepen the understanding of the student who has taken courses 603-604.
Hrs. arr.

761 Practicum (v) J. Krisberg
The practicum of the second year provides an opportunity for the student to test out the concepts, principles and theories which he has acquired and to develop his own individual manner of using them in actual practice.
Hrs. arr.

796 Directed Individualized Study (v) Staff
By arrangement with instructor only.
Hrs. arr.

797 Directed Individualized Study (v) Staff
By arrangement with instructor only.
Hrs. arr.

SOCIOMETRY (Soc)

Students should consult sociology departmental advisor and the current description of course offerings each semester.

FIRST TERM

100 Survey of General Sociology (3) W. Wooden
I. The Individual in Society: (1) Scientific study of society; (2) Socialization and personality development; (3) Social structure. II. Social Organization: (1) Status groupings; (2) Collective behavior; (3) Sociological fields.
Daily 10:10-11:25

312B Survey of Urban Society (3) S. Yeh
Interplay of demographic, ecological and cultural factors in urban development. Urban processes, growth and interdependence. Social organization of urban region. Introduction to urban planning.
Daily 1:10-2:25

322B Survey of Social Stratification (3) C. Endo
General introduction to social stratification theory and research. Topics to be covered include: (1) Social stratification and its perspectives; (2) Definitions and measurement of social class; (3) Social classes in the United States; (4) Power; (5) Correlates of social class; (6) Social mobility: sources and consequences.
Daily 8:45-10:00

322J Survey of Social Change (3) K. Ikeda
An examination of varying approaches to the study of social change. Single cause to multi-causal models of change will be examined as causes, processes, and effects. Application will involve analysis of (1) simple, less complex, less urbanized societies; (2) more complex, more industrialized, urbanizing societies, and (3) "post-industrial" societies. HAWAII 2000 (Chaplin and Paige) will be analyzed, relative to the future of "post-industrial" Hawaii.
Daily 8:45-10:00

322K Survey of Sociology of the Future (3) B. Phillips
This course will make use of a wide range of literature which bear on the process of social change and apply them to historical changes in order to develop an understanding of the nature of paths to alternative futures.
Daily 10:10-11:25

352B Survey of the Family (3) W. Wooden
I. The Family in Society: (1) Techniques of sociological research; (2) The families' role in socialization; (3) Personality theories; (4) Social interaction and family dynamics; (5) Community vs. association; (6) Culture in comparative perspective. II. The Family and Social Structure: (1) Social class and life style; (2) Intermarriage; (3) Social change and social movements; (4) Contemporary trends and new life styles; (5) Peer groups and mass media; (6) School and other social institutions.
Daily 11:35-12:50
SOCIOLOGY

362D Survey of Applied Sociology (General) (3)  S. Yeh
Contribution of sociology to development planning, especially in the Asian context. Case studies include public housing, urban renewal, family planning, human resources development, and time-budget studies.
Daily 2:35-3:50

472D Analysis in Methodology (3)  C. Endo
This is a general course covering the various stages involved in social research. Topics include: (1) Components of theory; (2) Relationship between theory and research methods; (3) Sampling and measurement; (4) Research designs; (5) Data collection instruments; (6) Data analysis and reporting. Pre: 200 or consent of instructor.
Daily 10:10-11:25

472H Analysis in Evaluation Research (3)  K. Ikeda
The utility of field experiments and quasi-experiments in the evaluation of the impact of social reforms will be examined. Major social reforms to be explored as to likely impact include income maintenance programs and related family assistance reforms. Headstart and Upward Bound educational programs, manpower training programs, and health delivery programs. Pre: 200 or consent of instructor. (Identical with 714E.)
Daily 10:10-11:25

714E Seminar in Evaluation Research (3)  K. Ikeda
The utility of field experiments and quasi-experiments in the evaluation of the impact of social reforms will be examined. Major social reforms to be explored as to likely impact include income maintenance programs and related family assistance reforms. Headstart and Upward Bound educational programs, manpower training programs, and health delivery programs. Pre: 200 or consent of instructor. (Identical with 472H.)
Daily 10:10-11:25

714F Seminar in Computer Simulation (3)  B. Phillips
The overall purpose in this course is to motivate the student to the vast potential for social research offered by computer simulation, and to give him those tools which are essential to start him along the way. The course is divided into four parts: (1) An illustration: Model I of Human Development; (2) Cybernetic Framework (Wiener); (3) Survey of the Literature (Dutton & Starbuck); (4) System Dynamics (Forrester). Pre: 200 or consent of instructor. (Identical with 472F.)
Daily 8:45-10:00

714E Seminar in Evaluation Research (3)  K. Ikeda
The utility of field experiments and quasi-experiments in the evaluation of the impact of social reforms will be examined. Major social reforms to be explored as to likely impact include income maintenance programs and related family assistance reforms. Headstart and Upward Bound educational programs, manpower training programs, and health delivery programs. Pre: 200 or consent of instructor. (Identical with 472H.)
Daily 10:10-11:25

714F Seminar in Computer Simulation (3)  B. Phillips
The overall purpose in this course is to motivate the student to the vast potential for social research offered by computer simulation, and to give him those tools which are essential to start him along the way. The course is divided into four parts: (1) An illustration: Model I of Human Development; (2) Cybernetic Framework (Wiener); (3) Survey of the Literature (Dutton & Starbuck); (4) System Dynamics (Forrester). Pre: 200 or consent of instructor. (Identical with 472H.)
Daily 8:45-10:00

SECOND TERM

100 Survey of General Sociology (3)  G. Won
This course is an introduction to the field of sociology for non-sociology majors. The lectures will attempt to give the student an idea of what sociologists do in a very general sense, without much technical scientific detail. The emphasis will be upon basic sociological concepts and ideas. There will be some fieldwork exercises to demonstrate the uses of concepts.
Daily 8:45-10:00

322E Survey of Industrial Sociology (3)  G. Won
This course is designed especially to develop insight into the structure of social relationships in the world of work. Though emphasis is on Western industrial societies, and especially the American experience, the instructor will draw as much as possible information from developing nations as well as new industrial giants such as Japan. To offer some variety, some field work assignments will be required. However, some choice will be permitted and suggestions will be invited.
Daily 11:35-12:50

322G Survey of Race Relations (3)  G. Yamamoto
An attempt at understanding "race relations" as a phenomenon through a comparative study of the contact of peoples throughout the world and in different periods of history, utilizing the major sociological and social psychological concepts of identity and status, and differentiating sustaining, disjunctive, integrated processes.
Daily 8:45-10:00

322M Survey of Health Institutions (3)  H. Bynder
This course will survey the sociology of health and medicine. Among the types to be covered are the following: (1) Socio-Cultural Factors in Health and Illness and Patterns of Treatment; (2) Sociology of Medical Education; (3) Physicians and Patient Roles; (4) Hospital as a Social Institution; (5) Changing Patterns of Health Care.
Daily 7:20-8:35

332B Survey of Juvenile Delinquency (3)  J. Seldin
Survey of the major sociological approaches to the origins and nature of crime and delinquency. The causes and consequences of criminality as seen through the work of contemporary sociologists, penologists and criminologists will be explored in such areas as gangs, white collar crimes, crimes without victims, etc.
Daily 11:35-12:50

342C Survey of Social Psychology (3)  E. Wegner
Daily 10:10-11:25

352D People and Institutions of Japan (3)  G. Yamamoto
The course assumes little systematic knowledge of the subject matter. It will probably not be useful for students already acquainted with the major social science material on modern Japanese society. A quick survey of Japanese history will be followed by a focus on each of several major institutional areas of modern Japanese life—economy, polity, religion, education, family and the stratification system. Following this will be a focus on aspects of the "Japanese character" as expressed in interpersonal relations and world view.
Daily 11:35-12:50

362C Survey of Social Problems (3)  J. Geschwender
No society is characterized by a total consensus of values. There is always a certain amount of conflict or disagreement between segments of society possessing different value structures; social problems result from this disagreement over values. This course will examine the nature and cause of social problems and will examine a series of selected problems (e.g., poverty, inequality, racism). It will also consider the implications for the social scientist of value-neutrality vs. involvement.
Daily 8:45-10:00

362E Survey of Aging (3)  H. Bynder
This course will survey aging and the aged as a twentieth century social problem emerging from the revolution in medical technology. The view of the aged and their role in other cultures will be contrasted with American society. The problems of the aged will be discussed and various social policies for their solution will be offered.
Daily 10:10-11:25

422D Analysis in Social Institutions: A. Higginbotham, Jr.
Racism and American Legal Process I (3)
Critical sociological examination of the uses of the law to perpetuate and to eradicate racial injustice during the times of slavery up to 1896, with a comparative analysis of different legal practices in England, the Caribbean Islands, Latin America and the United States. Economic, political, historical and social conditions influencing legal doctrine. Pre: 200 or consent of instructor. A student
must take both courses in Analysis in Social Institutions, that is, Racism and American Legal Process I and Racism and American Legal Process II, since the materials will span both courses. Daily 8:45-10:00

422E Analysis in Social Institutions: A. Higginbotham, Jr. Racism and American Legal Process II (3)
Critical sociological analysis of federal and state judicial decisions and laws affecting racial conditions from the post-Civil War Reconstruction Period to the current term of the United States Supreme Court. Economic, political, historical and social conditions influencing legal doctrine. Pre: 200 or consent of instructor. A student must take both courses in Analysis in Social Institutions, that is, Racism and American Legal Process I and Racism and American Legal Process II, since the materials will span both courses. Daily 10:10-11:25

442D Analysis in Collective Behavior (3) J. Geschwender
This course will consider a range of Behavior including panic, mass behavior, crowd formation, crowd behavior, the public, public opinion, social movements and revolution. It will also examine the relation between collective behavior and social change. Pre: 200 or one sociology or psychology course. Daily 10:10-11:25

SPEECH (Sp)

FIRST TERM

151 Introduction to Speech (3) K.S. Sitaram
(2 sections) Introduction to major elements of speech. Activities for students to acquire competence in two-person, small group, and public situations. Practice in basic speech forms and techniques. Models and concepts to explain the speech art. Daily (1) 8:45-10:00 (2) 10:10-11:25

231 Interpretative Reading (3) J.K. Kido
Principles of interpretative reading. Practice in textual analysis and in transmitting intellectual and aesthetic content of literature. Daily 7:20-8:35

SECOND TERM

151 Introduction to Speech (3) R.C. Johnson, W.H. Oxford
(2 sections) Introduction to major elements of speech. Activities for students to acquire competence in two-person, small group, and public situations. Practice in basic speech forms and techniques. Models and concepts to explain the speech art. Daily (1) 7:20-8:35 (Oxford) (2) 8:45-10:00 (Johnson)

231 Interpretative Reading (3) J.C. Passey
Principles of interpretative reading. Practice in textual analysis and in transmitting intellectual and aesthetic content of literature. Daily 10:10-11:25

SPEECH PATHOLOGY AND AUDIOLOGY (SPA)

FIRST TERM

315 Hearing Habilitation and Rehabilitation (2) G. Pang-Ching
Principles and methods of habilitation and rehabilitation of children and adults with hearing problems; means of developing maximum communication ability. Daily 7:45-8:35

320 Speech and Hearing Science (3) D.F. McPherson
Anatomic, physiologic, phonologic and acoustic bases of speech, hearing and language. Daily 8:45-10:00

411 Practicum in Audiology (1) G. Pang-Ching
Clinical practice in testing of hearing, hearing conservation, auditory training, speech reading, speech correction and conservation. Pre: 301, 303. Hrs. arr.

603 Advanced Audiology (3) G. Pang-Ching
Instrumentation; selection of hearing aids; special tests of hearing. Pre: 303 and graduate standing. Daily 10:10-11:25
ZOOLOGY

710 Advanced Practicum in Speech Pathology (1) D. F. McPherson
Supervised clinical practice in diagnostic and therapeutic procedures with various types of speech and language problems and in different clinical settings. Pre: 410 or equivalent and graduate standing.
Hrs. arr.

720 Seminar in Functional Disorders of Speech (2) D. F. McPherson
Daily 11:35-12:25

SECOND TERM

300 Introduction to Speech Correction (3) D. Craven
Survey of field of speech correction; study of types of speech defects and hearing problems as they relate to speech dysfunctions.
Daily 8:45-10:00

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

410 Practicum in Speech Pathology (1) D. Craven
Clinical practice in use of diagnostic procedures and rehabilitation techniques with a variety of speech disorders at various age levels. Pre: 300, 302, 320, 321.
Hrs. arr.

710 Advanced Practicum in Speech Pathology (1) D. Craven
Supervised clinical practice in diagnostic and therapeutic procedures with various types of speech and language problems and in different clinical settings. Pre: 410 or equivalent and graduate standing.
Hrs. arr.

711 Advanced Practicum in Audiology (1) M. Ansberry
Supervised clinical practice in administering tests; interpretation of audiograms; counseling of individuals with impaired hearing; use of various rehabilitation techniques. Pre: 411 or equivalent, 603 and graduate standing.
Hrs. arr.

723 Seminar in Audiology—Rehabilitative Procedures (3) M. Ansberry
Procedures and philosophies presented in recent literature dealing with rehabilitative phases of audiology. Pre: graduate standing.
Daily 11:35-12:25

ZOOLOGY (Zool)

FIRST TERM

101 Principles of Zoology (4) S.A. Reed
Introduction to zoology. Living animals, their structure, physiology, development, reproduction, evolution, habits, ecology, and their relationship to other living organisms and the environment.
Daily 11:35-12:50 Lab (1) TTh 7:20-10:10
(2) TTh 1:10-3:50

420 Embryology (4) S.R. Haley
Analysis of developmental phenomena in animals. Pre: 101 or Biol 220.
MTWTh 10:30-12:20 Lab TTh 1:30-3:20

439 Animal Ecology (3) J.S. Stimson
Comprehensive course in ecology designed for students of the biological sciences. Course designed around principles and theories illustrated with examples from current experimental and analytical literature of ecology. Pre: 101 or Biol 220 and one semester of calculus.
Daily 8:45-10:00

439L Laboratory in Animal Ecology (1) J.S. Stimson
Laboratory in ecology to introduce some of the methodology of ecology and to provide experience in characterizing populations and communities. Pre: credit or concurrent enrollment in 439.
TTh 1:30-4:20

499 Directed Research (v) Staff
Limited to senior majors with 2.7 grade-point ratio or 3.0 grade-point ratio in zoology.
Hrs. arr.

699 Directed Research (v) Staff
Directed research and reading in various fields of zoology.
Hrs. arr.

800 Thesis (v) Staff

SECOND TERM

499 Directed Research (v) Staff
Limited to senior majors with 2.7 grade-point ratio or 3.0 grade-point ratio in zoology.
Hrs. arr.

699 Directed Research (v) Staff
Directed research and reading in various fields of zoology.
Hrs. arr.

800 Thesis (v) Staff
Ed CI 540(3) Practicum in Curriculum - M. Cabral
Development: English Language Arts—
Introduction of HEP Elementary Skills (1)
(2 sections)
Provides teachers-in-service with an overview and analysis of the
individualized nature of the Skills Learning System and relates it
to teacher and learner functions. Specifically designed for teachers
new to the HEP Skills Program.
Daily (1) 8:00-2:00 June 17-19
Daily (2) 8:00-2:00 June 24-26
Lanakila School

Ed CI 540(3) Practicum in Curriculum - S. Nunes
Development: English Language Arts—
Introduction of HEP Elementary Literature (1)
(2 sections)
Provides teachers-in-service with an overview of the literature pro-
gram, organization and content. Also includes suggested strategies
and conditions for learning.
Daily (3) 8:00-2:00 June 20-22
Daily (4) 8:00-2:00 July 1-3
Lanakila School

Ed CI 540(3) Practicum in Curriculum - K. Nishimura
Development: English Language Arts—
Introduction to HEP Elementary Language
Systems (1)
Provides teachers-in-service with an overview of the Language Sys-
tems Program, its design, rationale and content. Focuses on inquiry-
based instructional strategy.
Daily (5) 8:00-2:00 June 24-26
Lanakila School

Ed CI 540(10) Practicum in Curriculum - A. Duvall
Development: Social Studies—Elementary
Social Studies (Taba) (3)
Designed for teachers-in-service to upgrade subject matter and de-
velop new teaching methods and materials for instruction in social
studies. Development of curriculum materials and methods by par-
ticipating teachers. Emphasis on theory and methodology of Hilda
Taba. Will include all facets of a systematic design for teaching
the social studies.
Daily 8:00-2:00 June 17-28
Honolulu District School

Ed CI 540(13) Practicum in Curriculum - D. Curtis
Development: General Teaching and Curriculum
Problems—Movement Education (1)
Designed for teachers-in-service to upgrade their knowledge and
skills in movement and large muscle motor coordination. Develop-
ment of curriculum methods and materials with emphasis on con-
cepts of motion and effort, space and time.
Daily 8:00-10:00 June 17-26
Honolulu District School

Ed CI 540(13) Practicum in Curriculum - D. Ching, J. Chun
Development: General Curriculum - M. Deever
and Teaching Problems (3)
(2 sections)
Designed for teachers-in-service to upgrade subject matter and de-
velop new teaching methods and materials for instruction in general
curriculum and teaching problems. Development of curriculum ma-
terials and methods by participating teachers. Pre: teaching expe-
rience. May be repeated for credit with different content. June 17-
July 5.
Daily 8:00-12:00 (1) IOTA—M. Deever; Honolulu District School
(2) IOTA—D. Ching, J. Chun, Honolulu District School

Ed CI 595 Aerospace Education Workshop (4) - D. Aten
Introduction to aerospace science and technology and social, eco-
nomics, 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 ma-
terials. Descriptive brochure sent on request. Fee for laboratory and
materials is $15. Advanced registration required. Deadline is May
15. June 24-July 25
MTW 8:50-11:40; Th 8:50-3:20
Kaimuki High School

Ed IE 398 World of Manufacturing (3) - H. Kaneko
A critical study of the IACP materials. A course to broaden the
scope and purposes of traditional industrial arts instructors of the
junior and senior high school programs.
Daily 8:00-11:30 June 17-July 5
Washington Intermediate

Ed EP 497 Role of the Counselor for
Teachers and Administrators (2)
The counselor is seen as a pupil personnel specialist, available to
instructional and administrative components, a team approach to
school services. Practical local applications of helping functions dis-
cussed.
Daily 10:30-12:15 June 17-July 5
Honolulu District School

Ed EP 598 Research Utilizing Problem
Solving (2)
Knowledge and practice of skills for systemic definition, analysis,
and solution of classroom problems. Pre: teaching experience.
(Identical with Ed CI 598.)
Daily 8:00-9:45 June 17-July 5
Honolulu District School

SECOND TERM

Ed CI 540(1) Practicum in Curriculum - C. Oshima
Development: Art—Jewelry-making in
Secondary Schools (2)
Designed for secondary school art teachers-in-service. Emphasis on
advanced jewelry-making with various materials and techniques.
Curriculum plans will be developed for implementation in the
school.
Daily (1) 8:00-9:45 July 8-26
Honolulu District School

Ed CI 540(1) Practicum in Curriculum - J. Denny
Development: Art—Self-awareness Through
Art (2)
Provides teachers-in-service with experiences leading to personal
growth through art expression. New ideas, techniques, and uses of
media will be encouraged. Some activities include scribble tech-
nique, expression of inner feelings, expressive use of color, self-
portraits, kinetic family drawings. (2)
TTh (2) 1:30-4:00 July 8-August 15
Honolulu District School

Ed CI 540(3) Practicum in Curriculum - K. Nishimura
Development: English Language Arts—
Introduction to HEP Elementary Language
Systems (1)
Provides teachers-in-service with an overview of the Language Sys-
tems Program, its design, rationale and content. Focuses on inquiry-
based instructional strategy.
Daily 8:00-2:00 July 8-10
Lanakila School
Ed EP 701  Seminar in Guidance: H. Kozuma
Alienated Youth (3)
Theory and practice of group, group guidance with emphasis on
group procedures in working with alienated young people in the
school and classroom.
Daily 8:00-9:30 July 8-August 15 Washington Intermediate

Central

FIRST TERM

Ed CI 331  Teaching Reading in K. Yamamoto
Intermediate and High Schools (2)
Techniques and materials for teaching reading and improving reading
skills in intermediate and high school.
Daily 8:30-11:45 June 17-July 5 Central District

Leeward

FIRST TERM

Ed CI 540(3)  Practicum in Curriculum E. Arakaki, J. Shiets
Development: English Language Arts—
Introduction to HEP Elementary Skills (1)
Provides teachers-in-service with an overview and analysis of the
individualized nature of the Skills Learning System and relates it
to teacher and learner functions. Specifically designed for teachers
new to the HEP Skills Program.
Daily (6) 8:00-2:00 June 17-19 Leeward District

Ed CI 540(3)  Practicum in Curriculum T. Watanabe
Development: English Language Arts—
Introduction to HEP Elementary Literature (1)
Provides teachers-in-service with an overview of the literature pro­
gram, its organization and content. Also includes suggested strate­
gies and conditions for learning.
Daily (7) 8:00-2:00 June 20-22 Leeward District

Ed CI 540(3)  Practicum in Curriculum K. Nishimura
Development: English Language Arts—
Introduction to HEP Elementary Language
Systems (1)
Provides teachers-in-service with an overview of the Language
Systems Program, its design, rationale and content. Focuses on
inquiry-based instructional strategy.
Daily (8) 8:00-2:00 July 1-3 Leeward District

Ed CI 540(13)  Practicum in Curriculum M. Adachi, S. Fujita
Development: General Curriculum and
Teaching Problems (3)
Designed for teachers-in-service to upgrade subject matter and de­
velop new teaching methods and materials for instruction in gen­
eral curriculum and teaching problems. Development of curriculum
materials and methods by participating teachers. Pre: teaching
experience. May be repeated for credit with different content.
June 17-July 5
Daily 8:00-12:00 IOTA—M. Adachi, S. Fujita; Pearl Ridge Elementary School

Ed EF 409  Ethnicity, Poverty, and Education (3) M. Ezer
Survey of social and psychological factors related to low income
student and his education. Review of local resources and facilities
to assist these pupils. (Identical with Sp Ed 409.)
Hrs. arr. Waianae Project students only

Kauai

FIRST TERM

Ed EF 408  Community Education (3) R. Potter
Philosophy, history, and social aspects of policies and practices of
relating community to school. Includes use of community as class­
room resource, "school without walls," and ways in which school
can serve as a center for education of community, with a stress on
seeking solutions of social problems. May be repeated twice with
different course content. Pre: Ed EF 310, Ed EP 311, Ed CI 312 or
consent of instructor.
Daily 8:30-11:30 June 17-July 5 Kauai Community College

Molokai

SECOND TERM

Sp ED 411  Identification and Remediation R. Lee
of Learning Difficulties (3)
Theory, survey, demonstration, evaluation, clinical practices for
diagnosis and remediation of learning difficulties, including use of
instruments in diagnosis of psycholinguistic skills and perceptual-
motor functions.
Daily 8:00-11:45 July 8-19 Molokai
CORRESPONDENCE DIRECTORY

Detailed information on specific items may be obtained by writing to the offices listed below.

Add: University of Hawaii at Manoa
Honolulu, Hawaii 96822

Undergraduate Admissions
Director, Admissions and Records
Bachman Hall 125
2444 Dole Street

Graduate Student Admissions
Admissions, Graduate Division
Spalding Hall 354
2540 Maile Way

Dormitories
Student Housing Office
Johnson Hall A
2555 Dole Street

Scholarships and Loans
Financial Aids Office
1627-A Bachman Place

Curriculum Information
Dean of Student Services
(College or School)

Graduate Assistantships
Chairman of (Department)

Summer Session
Dean of Summer Sessions
Krauss Hall 101
2500 Dole Street

Foreign Students
International Student Office
Webster Hall 101
2528 The Mall

Student Services
Dean of Student Affairs
Bachman Hall 124-B
2444 Dole Street

Student Activities
Bureau of Student Activities
Hemenway Hall 204
2445 Campus Road

UNIVERSITY OF HAWAII AT MANOA
Office Locations

Admissions and Records Office, Bachman 125
Athletics Office, Varsity Building
Business Office, Bachman 110
Chancellor's Office, Hawaii 105
College of Arts and Sciences, Webster 204
Student Services, Bachman Annex 10
College of Business Administration, BusAd-C 204
Travel Industry Management, BusAd-B 203
College of Education, Wist Annex-2 128
Student Services, Wist 203
College of Engineering, Holmes 240
College of Health Sciences and Social Welfare
Medicine, Biomed-T 101
Nursing, Webster 416
Public Health, Biomed-D 208
Social Work, Hawaii 117
College of Tropical Agriculture, BusAd-A 301
Agriculture Dean, Keller 116
Human Resources Dev. Dean, Miller 110-A
Continuing Education, Krauss 102
Student Services, Rm. 105

Counseling and Testing Center, 2327 Dole St.
Financial Aids, Bachman Annex 2
Graduate Division, Spalding 359
Student Services, Spalding 354
Honors & Selected Studies Program,
Sinclair Library 504-B
Ka Leo Office, Hemenway 140
Law School, Makai Campus 17
Lost and Found, Campus Center
Parking and Traffic, Auxiliary Services Building
Placement and Career Planning, 1631 Correa Rd.
Selective Service Adviser, Bachman 124
Student Activities Bureau, Campus Center
Student Employment, Bachman Annex 2
Student Health Service, 1710 East-West Rd.
Student Housing, Johnson A
Summer Session, Krauss 101
Tutoring and Services to Handicapped (Kokua),
Bachman Annex 12
U.S. Post Office, Bookstore Annex