FORTY-SEVENTH ANNUAL

Summer Session

UNIVERSITY OF HAWAII BULLETIN/1973 MANOA CAMPUS CATALOG

UNIVERSITY OF HAWAII BULLETIN
VOLUME LII, NUMBER 2, MARCH 1973

The University of Hawaii Bulletin is published four times a year at the University of Hawaii at Manoa, Honolulu, Hawaii, U.S.A. Entered as second-class matter at the Post Office at Honolulu, Hawaii, November 14, 1921, under the Act of Congress of August 24, 1912.

Price 50 cents plus postage
### 1973 SUMMER CALENDAR

#### MAY

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

#### JUNE

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

#### JULY

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

#### AUGUST

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

### FIRST TERM (JUNE 4–JULY 13)

- May 22—June 4: Registration
- May 28, Monday: Holiday (Memorial Day)
- June 4, Monday: Instruction begins
- June 8, Friday: Last day to register for credit and last day to withdraw from courses
- June 11, Monday: Holiday (Kamehameha Day)
- July 4, Wednesday: Holiday (Independence Day)
- July 6, Friday: Last day to process credit-no credit options
- July 13, Friday: First term ends

### SECOND TERM (JUNE 25–AUGUST 3)

- May 22—June 25: Registration
- June 25, Monday: Instruction begins
- June 29, Friday: Last day to register for credit and last day to withdraw from courses
- July 4, Wednesday: Holiday (Independence Day)
- July 27, Friday: Last day to process credit-no credit options
- August 3, Friday: Second term ends

### THIRD TERM (JULY 16–AUGUST 24)

- May 22—July 16: Registration
- July 16, Monday: Instruction begins
- July 20, Friday: Last day to register for credit and last day to withdraw from courses
- August 5, Sunday: Summer Commencement
- August 16, Thursday: Last day to process credit-no credit options
- August 17, Friday: Holiday (Admissions Day)
- August 24, Friday: Third 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>Engineering</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Civil Engineering</td>
<td>50</td>
</tr>
<tr>
<td>Electrical Engineering</td>
<td>50</td>
</tr>
<tr>
<td>General Engineering</td>
<td>51</td>
</tr>
<tr>
<td>Mechanical Engineering</td>
<td>51</td>
</tr>
<tr>
<td>Ocean Engineering</td>
<td>51</td>
</tr>
<tr>
<td>English</td>
<td>52</td>
</tr>
<tr>
<td>English Language Institute</td>
<td>55</td>
</tr>
<tr>
<td>English as a Second Language</td>
<td>55</td>
</tr>
<tr>
<td>European Languages and Literature</td>
<td>55</td>
</tr>
<tr>
<td>General</td>
<td>56</td>
</tr>
<tr>
<td>French</td>
<td>56</td>
</tr>
<tr>
<td>German</td>
<td>57</td>
</tr>
<tr>
<td>Latin</td>
<td>57</td>
</tr>
<tr>
<td>Russian</td>
<td>57</td>
</tr>
<tr>
<td>Spanish</td>
<td>57</td>
</tr>
<tr>
<td>Genetics</td>
<td>58</td>
</tr>
<tr>
<td>Geography</td>
<td>58</td>
</tr>
<tr>
<td>Geology and Geophysics</td>
<td>58</td>
</tr>
<tr>
<td>History</td>
<td>59</td>
</tr>
<tr>
<td>Honors Program</td>
<td>59</td>
</tr>
<tr>
<td>Honors Courses</td>
<td>61</td>
</tr>
<tr>
<td>Interdisciplinary Studies</td>
<td>61</td>
</tr>
<tr>
<td>Human Resources Development</td>
<td>62</td>
</tr>
<tr>
<td>Fashion Design, Textiles and Merchandising</td>
<td>62</td>
</tr>
<tr>
<td>Food and Nutritional Sciences</td>
<td>62</td>
</tr>
<tr>
<td>Food Service Administration</td>
<td>62</td>
</tr>
<tr>
<td>Human Development</td>
<td>62</td>
</tr>
<tr>
<td>Nutrition</td>
<td>63</td>
</tr>
<tr>
<td>Indo-Pacific Languages</td>
<td>63</td>
</tr>
<tr>
<td>General</td>
<td>63</td>
</tr>
<tr>
<td>Bengali</td>
<td>63</td>
</tr>
<tr>
<td>Burmese</td>
<td>63</td>
</tr>
<tr>
<td>Hawaiian</td>
<td>64</td>
</tr>
<tr>
<td>Ilokano</td>
<td>64</td>
</tr>
<tr>
<td>Indonesian</td>
<td>64</td>
</tr>
<tr>
<td>Lao</td>
<td>64</td>
</tr>
<tr>
<td>Samoan</td>
<td>64</td>
</tr>
<tr>
<td>Tagalog</td>
<td>64</td>
</tr>
<tr>
<td>Tahitian</td>
<td>64</td>
</tr>
<tr>
<td>Tongan</td>
<td>65</td>
</tr>
<tr>
<td>Vietnamese</td>
<td>65</td>
</tr>
<tr>
<td>Information Sciences</td>
<td>65</td>
</tr>
<tr>
<td>Library Studies</td>
<td>66</td>
</tr>
<tr>
<td>Linguistics</td>
<td>66</td>
</tr>
<tr>
<td>Mathematics</td>
<td>67</td>
</tr>
<tr>
<td>Medical Technology</td>
<td>68</td>
</tr>
<tr>
<td>Meteorology</td>
<td>68</td>
</tr>
<tr>
<td>Microbiology</td>
<td>68</td>
</tr>
<tr>
<td>Music</td>
<td>69</td>
</tr>
<tr>
<td>Oceanography</td>
<td>71</td>
</tr>
<tr>
<td>Pacific Islands Program</td>
<td>71</td>
</tr>
<tr>
<td>Pharmacology</td>
<td>71</td>
</tr>
<tr>
<td>Philosophy</td>
<td>72</td>
</tr>
<tr>
<td>Photography</td>
<td>72</td>
</tr>
<tr>
<td>Physics</td>
<td>72</td>
</tr>
<tr>
<td>Physiology</td>
<td>73</td>
</tr>
<tr>
<td>Political Science</td>
<td>73</td>
</tr>
<tr>
<td>Psychology</td>
<td>75</td>
</tr>
<tr>
<td>Public Health</td>
<td>77</td>
</tr>
<tr>
<td>Religion</td>
<td>78</td>
</tr>
<tr>
<td>Science, General</td>
<td>78</td>
</tr>
<tr>
<td>Social Work</td>
<td>78</td>
</tr>
<tr>
<td>Sociology</td>
<td>79</td>
</tr>
<tr>
<td>Speech</td>
<td>80</td>
</tr>
<tr>
<td>Speech Pathology and Audiology</td>
<td>81</td>
</tr>
<tr>
<td>Zoology</td>
<td>82</td>
</tr>
</tbody>
</table>

### Administration and Faculty

- University, Manoa, College Deans, Summer Session
- Resident Summer Faculty
- Visiting Summer Faculty

### The Summer Session

- Summer Session Registration
- Summer Session Notes
- Extracurricular Activities
- Housing Information
- Additional Information

### Courses Offered—First, Second, Third Terms

<table>
<thead>
<tr>
<th>Subject</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agricultural, Tropical</td>
<td>24</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>25</td>
</tr>
<tr>
<td>Food Science &amp; Technology</td>
<td>25</td>
</tr>
<tr>
<td>Horticulture</td>
<td>25</td>
</tr>
<tr>
<td>Plant Pathology</td>
<td>25</td>
</tr>
<tr>
<td>Soil Science</td>
<td>25</td>
</tr>
<tr>
<td>American Studies</td>
<td>26</td>
</tr>
<tr>
<td>Anatomy</td>
<td>27</td>
</tr>
<tr>
<td>Anthropology</td>
<td>27</td>
</tr>
<tr>
<td>Architecture</td>
<td>27</td>
</tr>
<tr>
<td>Art</td>
<td>28</td>
</tr>
<tr>
<td>Asian Studies</td>
<td>29</td>
</tr>
<tr>
<td>Biochemistry</td>
<td>30</td>
</tr>
<tr>
<td>Biophysics</td>
<td>30</td>
</tr>
<tr>
<td>Botany</td>
<td>31</td>
</tr>
<tr>
<td>Business Administration</td>
<td>31</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>33</td>
</tr>
<tr>
<td>Business Economics</td>
<td>33</td>
</tr>
<tr>
<td>Finance</td>
<td>34</td>
</tr>
<tr>
<td>Law</td>
<td>34</td>
</tr>
<tr>
<td>Management</td>
<td>34</td>
</tr>
<tr>
<td>Marketing</td>
<td>34</td>
</tr>
<tr>
<td>Personnel and Industrial Relations</td>
<td>35</td>
</tr>
<tr>
<td>Real Estate</td>
<td>35</td>
</tr>
<tr>
<td>Transportation</td>
<td>35</td>
</tr>
<tr>
<td>Travel Industry Management</td>
<td>35</td>
</tr>
<tr>
<td>Chemistry</td>
<td>36</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>38</td>
</tr>
<tr>
<td>East Asian Languages</td>
<td>38</td>
</tr>
<tr>
<td>General</td>
<td>38</td>
</tr>
<tr>
<td>Chinese</td>
<td>38</td>
</tr>
<tr>
<td>Japanese</td>
<td>39</td>
</tr>
<tr>
<td>Korean</td>
<td>39</td>
</tr>
<tr>
<td>East Asian Languages</td>
<td>40</td>
</tr>
<tr>
<td>Chinese</td>
<td>40</td>
</tr>
<tr>
<td>Japanese</td>
<td>40</td>
</tr>
<tr>
<td>Economics</td>
<td>40</td>
</tr>
<tr>
<td>Education</td>
<td>40</td>
</tr>
<tr>
<td>Curriculum and Instruction</td>
<td>41</td>
</tr>
<tr>
<td>Industrial Education</td>
<td>43</td>
</tr>
<tr>
<td>Educational Administration</td>
<td>44</td>
</tr>
<tr>
<td>Educational Communications</td>
<td>44</td>
</tr>
<tr>
<td>Educational Foundations</td>
<td>45</td>
</tr>
<tr>
<td>Educational Psychology</td>
<td>46</td>
</tr>
<tr>
<td>Health &amp; Physical Education</td>
<td>47</td>
</tr>
<tr>
<td>Special Education</td>
<td>47</td>
</tr>
<tr>
<td>...</td>
<td>...</td>
</tr>
</tbody>
</table>
Administration

UNIVERSITY
Harlan Cleveland, A.B., LL.D., L.H.D., D.C.L., Litt. D., President
Stuart M. Brown, Ph.D., Vice-President for Academic Affairs
William B. Chapman, B.S., Acting Vice-President for Business Affairs
H. Brett Melendy, Ph.D., Vice-President for Community Colleges
Kenneth K. Lau, L.L.M., Secretary of the University
Roy Y. Takeyama, L.L.B., Secretary of the Board of Regents

MANOA
Wytsje 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

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
Frederick R. Mayer, Ed.D., Acting Dean of 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
Jerrod M. Michael (Acting), M.P.H., School of Public Health
Herbert H. Aptekar, 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*
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 Boullog, 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), Assistant Professor of Library Studies
Adachi, Mitsuo, Ed.D. (Arizona State), Associate Professor of Education
Adams, Carl W., M.S. (Naval Postgraduate School), Associate Professor of Meteorology
Adler, Barbara W., D.M.A. (Kansas), Assistant Professor of Music
Alcantara, Ruben, M.A. (Hawaii), Instructor in American Studies
Allday, Christopher, Ph.D. (California at Berkeley), Assistant Professor of Mathematics
Alloway, Betty L., M.L.S., M.Ed. (Hawaii), Instructor in Education
Anderson, Ronald S., Ph.D. (Stanford), Professor of Education
Aoki, Mitsuo, D.D. Honorary (Pacific School of Religion), Professor of Religion
Apfel, James A., Ed.D. (George Peabody College), Assistant Professor of Education
Arai, Teruo, Natori Diploma (Nishikawa, Japan), Lecturer in Music
Araki, Charles T., Ed.D. (Illinois), Associate Professor of Education
Asato, James K., M.S. (Illinois), Assistant Professor of Health & Physical Education
Ashton, Geoffrey Cyril, D.Sc. (Liverpool), Professor of Genetics
Assali, Robin, M.A. (California at Berkeley), Assistant Professor of Philosophy
Aten, Donald G., Ed.D. (Columbia), Associate Professor of Education
Ayabe, Harold I., Ph.D. (Indiana), Assistant Professor of Education
Ayrault, Margaret, M.S.L.S. (Columbia), Professor of Library Studies
Baber, Asa, M.F.A. (Iowa), Assistant Professor of English
Bail, Frederick T., Ph.D. (Cornell), Assistant Professor of Education
Bailey, Joseph K., Ph.D. (Texas), Professor of Management
Baird, Robert E., Ph.D. (Cornell), Professor of Management
Baker, John H., B.D. (San Francisco), Acting Assistant Professor of Education
Ball, Robert J., Ph.D. (Columbia), Assistant Professor of Classics
Beauchamp, Edward R., M.Ed. (Worcester State College), Acting Assistant Professor of Education
Beaver, Frank, M.A. (California State at Long Beach), Instructor in Art
Beck, Gary, M.A. (Connecticut College), Instructor in Psychology
Bekeart, Edna F., B.A. (Hawaii), Lecturer in Health & Physical Education
Bell, Donald W., B.S. (Montana State), Assistant Professor of Real Estate
Bender, Frederic, Ph.D. (Northwestern), Assistant Professor of Philosophy
Benedict, Albert A., Ph.D. (California), Professor of Microbiology
Benouis, Mustapha K., Ph.D. (Illinois), Assistant Professor of French
Berger, Leslie R., Ph.D. (California at Davis), Professor of Microbiology
Bertelson, David, Ph.D. (Harvard), Associate Professor of American Studies
Bertram, Edward, Ph.D. (California at Los Angeles), Assistant Professor of Mathematics
Bhagavan, Nadhipuram V., Ph.D. (California at Berkeley), Professor of Biochemistry & Medical Technology
Bigelow, Gordon E., M.S. (Hawaii), Instructor in General Science
Birkhoff, Ruth, M.A. (Bread Loaf School of English), Instructor in English
Binner, Harold M., Ph.D. (Ohio State), Professor of Psychology
Bitterman, M.E., Ph.D. (Cornell), Professor of Psychology
Blaine, Daniel D., Ph.D. (Texas at Austin), Assistant Professor of Education
Blanchard, Robert J., Ph.D. (Iowa), Professor of Psychology
Blaylock, John J., Ph.D. (Iowa State), Associate Professor of Psychology
Bond, Graeme A., M.A. (Hawaii), Instructor in Communication
Bopp, Thomas T., Ph.D. (Harvard), Assistant Professor of Chemistry
Bouslog, Charles, Ph.D. (Harvard), Professor of English
Boyd, David, B.S. (Carnegie Mellon), Assistant Professor of General Engineering
Boyd, Mark A., M.F.A. (Hawaii), Instructor in Drama & Theatre
Boylan, Daniel, M.A. (Iowa), Instructor in American Studies
Boylan, Gloria C., M.Ed. (Hawaii), Lecturer in Education
Brase, Charles, Ph.D. (Colorado), Assistant Professor of Mathematics
Braun, Frederick G., Ed.D. (California at Los Angeles), Associate Professor of Education
Brazelton, Mary O'Neill, M.A. (Columbia), Lecturer in Education
Breneman, Lucille N., M.A. (Hawaii), Professor of Speech
Brown, Frank B., D.Ed. (Indiana), Associate Professor of Education
Brown, Michie, M.A.T. (Indiana), Educational Specialist
Brown, Nancy, M.A. (Ohio State), Instructor in English
Burgess, Hugh, M.S. Arch. (Columbia), Associate Professor of Architecture
Burns, Alfred, Ph.D. (Washington), Associate Professor of Classics
Bushnell, Kenneth, M.F.A. (Hawaii), Assistant Professor of Art
Bwy, Douglas, Ph.D. (Northwestern), Associate Professor of Political Science
Callender, Janet, M.A. (Hawaii), Instructor in English as a Second Language
Cambra, Ho'oulu Z., M.Mus. (Eastman School of Music), Lecturer in Music
Cannaday, Norma, M.A. (Indiana), Lecturer in Spanish
Cannon, Glenn, B.A. (Temple), Associate Professor of Drama & Theatre
Carlson, John G., Ph.D. (Minnesota), Associate Professor of Psychology
Carr, Albert B., Jr., Ed.D. (Columbia), Professor of Education
Carroll, W. Dennis, Ph.D. (Northwestern), Assistant Professor of Drama & Theatre
Chai, Hi Chang, Ph.D. (Ohio State), Professor of Mechanical Engineering
Chang, Thomas M.C., Ph.D. (Ohio State), Associate Professor of Education
Chattopadhyay, Virgo O., Ed.D. (California at Los Angeles), Assistant Professor of Education
Cheema, G. Shabbir, M.A. (Univ. of the Panjab, Pakistan), Lecturer in Political Science
Chen, Bill H., Ph.D. (Rochester), Assistant Professor of Engineering
Cheng, Chung-ying, Ph.D. (Harvard), Associate Professor of Philosophy
Cheng, Edmond, Ph.D. (Utah State), Assistant Professor of Civil Engineering
Cheng, Ping, Ph.D. (Stanford), Associate Professor of Mechanical Engineering
Ching, Doris M., M.Ed. (Hawaii), Instructor in Education
Ching, Mary L., M.Sc. (Ohio State), Assistant Professor of Food Service Administration
Chiriia, Marilee, M.A. (Hawaii), Instructor in English
Choe, Yong-ho, Ph.D. (Chicago), Assistant Professor of History
Chou, James C.S., Ph.D. (Oklahoma State), Professor of Mechanical Engineering
Chui, Edward F., Ph.D. (Iowa), Professor of Health & Physical Education
Chung, Diane, M.S. (Hawaii), Assistant Professor of Fashion Design & Merchandising
Chung, N.H. Paul, Ph.D. (Michigan State), Associate Professor of Business Economics and Quantitative Methods
Church, Carolyn, M.A. (Washington), Instructor in English
Ciborowski, Thomas J., Ph.D. (California at Irvine), Assistant Professor of Psychology
Clark, Richard, M.A. (Michigan), Assistant Professor of Mathematics
Colby, Robert, Ph.D. (Kansas), Associate Professor of Mathematics
Cole, Robert E., Ph.D. (Hawaii), Associate Professor of Psychology
Collins, DWane R., Ed. D. (Columbia), Professor of Education
Colvin, Gratton, M. A. (Hawaii), Lecturer in Business Economics & Quantitative Analysis
Congdon, Charles, M.B.A. (Columbia), Associate Professor of Business Economics & Quantitative Methods
Connors, James J., Ph.D. (Yale), Associate Professor of History
Costa, Abelia M., M.A. (Hawaii), Instructor in Communication
Cowing, Cedric, Ph.D. (Stanford), Professor of History
Cox, John R., M.A. (Washington State), Assistant Professor of Travel Industry Management
Craven, Dorothy D., M.A. (Iowa), Assistant Professor of Speech Pathology and Audiology
Crawford, S. Cromwell, D. Th. (Pacific School of Religion), Associate Professor of Religion
Creed, Walter, Ph.D. (Pennsylvania), Assistant Professor of English
Crooker, Peter P., Ph.D. (Naval Postgraduate School), Assistant Professor of Psychology
Crowell, David H., Ph.D. (Iowa), Professor of Psychology
Crymes, Ruth, Ph.D. (Columbia), Associate Professor of English as a Second Language
Csdoras, George, Ph.D. (Case Western Reserve), Assistant Professor of Mathematics
Cubberly, Ray, Ph.D. (Wisconsin), Assistant Professor of History
Cunningham, Lillian, M.A. (Arkansas), Instructor in English
Currie, Edward M., Ph.D. (Minnesota), Associate Professor of Accounting
Dahle, Bonita J., B.A. (St. Norbert), Lecturer in German
Dale, Verda M., Ph.D. (Michigan State), Professor of Home Economics
Daniels, Jack T., Ph.D. (Wisconsin), Associate Professor of Health & Physical Education
Daniels, P. Anders, Ph.D. (Michigan), Assistant Professor of Meteorology
Dator, James A., Ph.D. (American), Professor of Political Science
Daughtery, Kenneth L., M.S. (Ohio), Associate Professor of Geophysics
Davidson, Russell, M.F.A. (Ohio), Instructor in Art
Davis, Carl, Ph.D. (Wisconsin), Assistant Professor of Mathematics
DeFeo, Vincent J., Ph.D. (Ohio State), Professor of Anatomy and Reproductive Biology
DeMoss, John, M.A. (Kansas), Instructor in English
Das, Austin, Ph.D. (Wisconsin), Associate Professor of Spanish
Digman, John M., Ph.D. (Ohio State), Professor of Psychology
Dixon, Michael, M.A. (Hawaii), Assistant Professor of Political Science
Dubanoski, Richard A., Ph.D. (Minnesota), Associate Professor of Psychology
Dunwell, Robert R., Ed. D. (Kansas at Lawrence), Professor of Education
Earickson, Robert J., Ph.D. (Washington), Assistant Professor of Geography
Ebel, Robert, Ph.D. (Purdue), Assistant Professor of Economics
Eddinger, Charles R., Ph.D. (Hawaii), Lecturer in Zoology
Edge, Alfred G., Ph.D. (Arkansas), Assistant Professor of Reproductive Biology
Ekroth, Lauren E., Ph.D. (Minnesota), Assistant Professor of Speech
Ellis, Dean S., Ph.D. (Purdue), Associate Professor of Management
Endo, Calvin, Ph.D. (Oregon), Assistant Professor of Sociology
Ernest, Welden, Ph.D. (Harvard), Associate Professor of History
Evans, William J.M. (Ian), Ph.D. (London), Assistant Professor of Psychology
Everson, Marion, M.F.A. (Cranbrook Academy), Assistant Professor of Art
Ezer, Melvin, Ed.D. (Harvard), Professor of Education
Fakhruddin, Syed, Ph.D. (Queen's), Assistant Professor of Mathematics
Fan, Pow-Foong, Ph.D. (California), Associate Professor of Geology
Fargo, George A., Ph.D. (Claremont Graduate School), Associate Professor of Education
Fay, Richard F., Ph.D. (Princeton), Assistant Professor of Psychology
Fellows, David P., Ph.D. (Arizona), Assistant Professor of Science
Fischer, Joel, D.S.W. (California at Berkeley), Associate Professor of Social Work
Fletcher, Sally, B.A. (California at Los Angeles), Lecturer in Art
Frantz, Patricia, M.A. (Wisconsin), Instructor in English
Frazier, Gordon E., Ph.D. (Southern Illinois), Associate Professor of Education
Freese, Ralph, Ph.D. (California Institute of Technology), Assistant Professor of Mathematics
Friederich, Reinhard, Ph.D. (Washington), Assistant Professor of English
Friedman, Daniel A., M.A. (Hawaii), Lecturer in Political Science
Friedman, George J., M.A. (Hawaii), Instructor in Psychology
Friedman, Harry J., Ph.D. (Pittsburgh), Professor of Political Science
Frieron, J. Wright, Ph.D. (Stanford), Professor of English
Fruehling, Royal T., Ed.D. (Stanford), Assistant Professor of Education
Fuchs, Roland J., Ph.D. (Clark), Professor of Geography
Fujita, Shirley Y., M.A. (New York), Associate Professor of Education
Fulmer, Daniel W., Ph.D. (Denver), Professor of Education
Furer, Gloria S., M.Ed. (Hawaii), Associate Professor of Fashion Design & Merchandising
Gasinski, Tadeusz Z., Ph.D. (Stanford), Associate Professor of Russian
Ghalib, Mohib, Ph.D. (Washington), Associate Professor of Economics
Gillefeather, Frank, Ph.D. (California at Irvine), Assistant Professor of Mathematics
Goodman, Leen, Ph.D. (Oxford), Assistant Professor of Philosophy
Goto, Shosuke, Ph.D. (Minnesota), Associate Professor of Plant Pathology
Gray, James, Ph.D. (Southern California), Associate Professor of English
Green, Marvelle L., B.A. (Arizona), Lecturer in Education
Gregory, Kathe, M.F.A. (Rutgers), Instructor in Art
Gurian, Jay, Ph.D. (Minnesota), Associate Professor of American Studies
Haar, Francis (National Academy of Decorative Arts, Budapest), Lecturer in Photography
Haas, Michael, Ph.D. (Stanford), Professor of Political Science
Hadlich, Roger L., Ph.D. (Michigan), Professor of Spanish
Hachlun, Frederick P., Jr., Ph.D. (Northern Colorado), Professor of Education
Haggmann, Larry A., M.Ed. (Wayne State), Lecturer in Education
Haines, John, Ph.D. (Wisconsin), Assistant Professor of Economics
Haley, Samuel R., Ph.D. (Texas), Assistant Professor of Zoology
Hall, John B., Ph.D. (California), Associate Professor of Microbiology
Hankin, Jean, Ph.D. (California at Berkeley), Associate Professor of Public Health
Hanna, Joel, Ph.D. (Arizona), Assistant Professor of Anthropology
Hansen, Ole, Ph.D. (Michigan), Associate Professor of Education
Harm, Marilyn, M.A. (California at Berkeley), Instructor in English
Harms, L.S., Ph.D. (Ohio State), Associate Professor of Communication
Harter, Edward, Ph.D. (Illinois), Assistant Professor of Philosophy
Hass, Bruce M., D.B.A. (Colorado), Assistant Professor of Finance and Real Estate
Hayasaki, Sinikka, M.A. (Hawaii), Instructor in Linguistics
Hayes, Eloise D., Ph.D. (North Carolina), Professor of Education
Hazama, Dorothy O., M.A. (New York), Associate Professor of Education
Heen, Larry G., Ph.D. (Indiana), Assistant Professor of Russian
Hemborg, Paul J., Ph.D. (Iowa State), Professor of Communication
Hebling, Mark, Ph.D. (Minnesota), Assistant Professor of American Studies
Heller, H. Robert, Ph.D. (California at Berkeley), Professor of Economics
Henry, Mary Ellen, M.A. (Hawaii), Instructor in English
Hicks, Morgan A., M.B.A. (Arizona State), Assistant Professor of Finance
Hight, Joseph, Ph.D. (Brown), Assistant Professor of Economics
Hilden, Hugh, Ph.D. (Stevens Institute of Technology), Assistant Professor of Mathematics
Hill, Robert R., J.D. (Illinois), Instructor in Travel Industry Management
Hines, Robert S., M.M. (Michigan), Professor of Choral Music
Holton, James S., Ph.D. (California at Berkeley), Professor of Spanish
Holtzmann, O.V., Ph.D. (Washington State), Professor of Plant Pathology
Hoover, Thomas, Ph.D. (Michigan), Assistant Professor of Mathematics
Hopkins, Mary E., Ph.D. (Western Reserve), Associate Professor of Management
Horan, Claude, M.A. (Ohio), Professor of Art
Howard, Irwin, Ph.D. (M.I.T.), Assistant Professor of Linguistics
Huddleston, Don R., M.Ed. (Hawaii), Instructor in Education
Hung, Fred C., Ph.D. (Washington), Professor of Economics
Hwang, Suk R., M.S. (Arizona State), Associate Professor of Physics
Ige, Thomas, Ph.D. (Wisconsin), Professor of Business Economics & Quantitative Methods
Ignatius, Mary Ann, Ph.D. (Stanford), Assistant Professor of French
Iha, Franklin, Ph.D. (California at Los Angeles), Assistant Professor of Mathematics
Ihrig, Judson L., Ph.D. (Princeton), Director of Liberal Studies Program
Ishimoto, Winifred, M.S.W. (Hawaii), Assistant Professor of Social Work
Izutsu, Nobue K., B.S. (Hawaii), Lecturer in Education
Jackstadt, Stephen L., M.A. (California at Los Angeles), Director of Economics Education
Jacobsen, Lyle E., Ph.D. (Illinois), Professor of Accounting
Jaeckel, Solomon P., Ed.D. (California at Los Angeles), Associate Professor of Education
Jenkins, Esther C., Ph.D. (Ohio State), Professor of Education
Johnson, James, Ph.D. (Colorado), Assistant Professor of Mathematics
Johnson, Robert C., M.A. (Sacramento State), Assistant Professor of Speech
Johnson, Ronald C., Ph.D. (Minnesota), Professor of Psychology
Johnston, Everett E., D.B.A. (Oregon), Assistant Professor of Travel Industry Management
Joseph, Neal A., M.Ed. (Hawaii), Instructor in Education
Kaina, Lorraine M., M.Ed. (Hawaii), Assistant Professor of Health & Physical Education
Kalupahana, David, Ph.D. (London), Associate Professor of Philosophy
Kariel, Henry S., Ph.D. (California at Berkeley), Professor of Political Science
Kassebaum, Gayathri R., B.A. (Karnatic University, India), Lecturer in Music
Kassebaum, Gene, Ph.D. (Harvard), Professor of Sociology
Kawamura, Noreen, M.S. (Northwestern), Instructor in Medical Technology
Kelly, N. Lane, Ph.D. (North Texas State), Assistant Professor of Management
Kelso, Thomas R., J.D. (John Marshall Law School), Lecturer in Business Law
Kibler, Dennis, Ph.D. (Rochester), Assistant Professor of Mathematics
Kido, Janice K., M.A. (Hawaii), Instructor in Speech
Kihem, Ruth S., M.Ed. (Hawaii), Instructor in Education
Kimball, Thomas F., J.D. (Golden Gate College), Assistant Professor of Business Law
Kimura, Sueko, M.F.A. (Hawaii), Professor of Art
Kinch, Donald M., Ph.D. (Michigan State), Professor of Agricultural Engineering
Kirkpatrick, Arthur, M.A. (Illinois), Assistant Professor of Business Economics & Quantitative Methods
Kirtley, Bacil, Ph.D. (Indiana), Professor of English
Kishimoto, Darlee-Anne P., M.A. (Hawaii), Instructor in Communication
Kiste, Robert, Ph.D. (Oregon), Associate Professor of Anthropology
Klimenko, Michael, Ph.D. (Univ. of Erlangen, Germany), Associate Professor of Russian
Klopf, Donald W., Ph.D. (Washington), Professor of Speech
Kobayashi, Victor N., Ph.D. (Michigan), Associate Professor of Education
Koehler, Dorothy, M.S. (Kentucky), Assistant Professor of Mathematics
Krahenbuhl, Gary S., Ed.D. (Colorado State), Assistant Professor of Health & Physical Education
Krantz, E. LaVar, M.M. (Utah), Assistant Professor of Music
Kranzler, Stanley, Ph.D. (California at Santa Barbara), Assistant Professor of Mathematics
Kratky, Judy A., Ph.D. (California at Los Angeles), Assistant Professor of Spanish
Krisberg, Jane, M.A.S.A. (Ohio State), Associate Professor of Social Work
Kucera, Geoffrey Z., Ph.D. (Michigan State), Associate Professor of Education
Kudo, E. Takeo, B.Ed. (Hawaii), Lecturer in Music
Kunimoto, Elizabeth N., Ph.D. (Hawaii), Assistant Professor of Communication
Kuroda, June, B.S. (Hawaii), Instructor in Medical Technology
Kuroda, Yasumasa, Ph.D. (Oregon), Professor of Political Science
Kwok, Daniel W.Y., Ph.D. (Yale), Professor of History
Ladd, Doria, Ph.D. (Stanford), Assistant Professor of History
Laitila, Edward E., D.B.A. (Indiana), Associate Professor of Real Estate
Lam, Truong Buu, Ph.D. (Université Catholique de Louvain, Belgium), Associate Professor of History
Lamley, Harry, Ph.D. (Washington), Associate Professor of History
Lang, Melvin, Ed.D. (New York), Professor of Education
Larsen, Kaleinani, B.S. (Hawaii), Lecturer in Human Development
Larson, Valentine K., M.A. (Southern California), Assistant Professor of Speech
Lau, Joseph S.M., Ph.D. (Indiana), Associate Professor of Chinese Literature
LeBeck, Beverly, Lecturer in Music
Lee, Matthew, Ph.D. (California at Berkeley), Assistant Professor of Mathematics
Lee, Oliver, Ph.D. (Chicago), Assistant Professor of Political Science
Lee, Samuel S.O., Ph.D. (Columbia), Professor of Accounting
Lee, Wang C., Ph.D. (Southern California), Assistant Professor of Mathematics
Leggett, Bernice, M.A. (Tennessee), Instructor in English
Lezner, Anthony, Ph.D. (Michigan), Associate Professor of Human Development
Lester, Mark, Ph.D. (California at Berkeley), Associate Professor of English as a Second Language
Levi, Werner, Ph.D. (Minnesota), Professor of Political Science
Levy, Alford, Ph.D. (Wisconsin), Professor of English
Lichte, Lenna, M.A. (Southern California), Assistant Professor of English
Lim, Youngil, Ph.D. (California at Los Angeles), Associate Professor of Economics
Linn, James R., Ph.D. (Southern California), Director of Honors Program
Little, James R., Ph.D. (Iowa), Associate Professor of Health & Physical Education
Little, Robert, Ph.D. (Cornell), Assistant Professor of Mathematics
Littman, Robert J., Ph.D. (Columbia), Assistant Professor of Classics
Lum, Bert K.B., M.D. (Kansai), Professor of Pharmacology
Lum, Richard S., M.Ms.Ed. (Western Reserve), Associate Professor of Music
MacDonald, Kathleen, M.A. (Hawaii), Instructor in English
Mader, Adolf, Ph.D. (New Mexico State), Associate Professor of Mathematics
Mak, James, Ph.D. (Purdue), Assistant Professor of Economics
Maltby, Joseph, Ph.D. (Wisconsin), Associate Professor of English
Mansson, Helge Hilding, Ph.D. (New York), Associate Professor of Psychology
Margolis, Stanley V., Ph.D. (California at Riverside), Assistant Professor of Oceanography
Marrella, Anthony J., Ph.D. (Pennsylvania State), Assistant Professor of Psychology
Martin, Clark H., M.A. (Hawaii), Instructor in Psychology
Martin, John, Ph.D. (Rice), Assistant Professor of Mathematics
Martin, Stephen L., Ph.D. (Southern California), Assistant Professor of Health & Physical Education
Martinez, Albert P., B.S. (Florida), Associate Professor of Plant Pathology
Mason, Charles, Ph.D. (Southern Illinois), Assistant Professor of English as a Second Language
Masterson, Lawrence J., M.A. (Michigan State), Associate Professor of Geography
Matson, Floyd, Ph.D. (California at Berkeley), Professor of American Studies
MAtzke, H. Roy, Ed.D. (New Mexico), Director, Career Planning and Placement
McCarthy, Harold, Ph.D. (California at Berkeley), Professor of Philosophy
McDermott, Terrence, Ph.D. (Southern California), Assistant Professor of Mathematics
McFarland, James L., M.A. (Hawaii), Instructor in Psychology
McGee, Terrill, Ph.D. (Vanderbilt), Assistant Professor of Civil Engineering
McGinty, Doris M.G., Ed.D. (Arizona), Associate Professor of Education
McHenry, Robert, Ph.D. (Michigan), Assistant Professor of English
McKay, R. Neil, Ph.D. (Eastman School of Music), Professor of Music
McKeegan, Michelle, M.A. (Wisconsin), Instructor in English
McKnight, Brian E., Ph.D. (Chicago), Associate Professor of History
McPherson, D. Frank, Ph.D. (Purdue), Associate Professor of Speech Pathology & Audiology
Mehta, Jarava, Ph.D. (Banaras Hindu), Professor of Philosophy
Mendenhall, B. Joan, Ph.D. (Colorado), Lecturer in Human Development
Menikoff, Barry, Ph.D. (Wisconsin), Associate Professor of English
Merz, Karen, M.A. (Northwestern), Instructor in English
Metelka, Charles, Ph.D. (Northwestern), Assistant Professor of Travel Industry Management
Mett, William D., J.D. (Wisconsin), Lecturer in Business Law
Michel, John, Ph.D. (Texas), Professor of Educational Psychology
Mikami, Kay, Shihan (Miyagi Ryu Ikuse), Lecturer in Music
Miller, H. Laurence, Jr., Ph.D. (Harvard), Professor of Economics
Minke, Karl A., Ph.D. (Wisconsin), Associate Professor of Psychology
Mock, G. Wesley, Ph.D. (Purdue), Assistant Professor of Health & Physical Education
Moncur, James, Ph.D. (Washington State), Assistant Professor of Economics
Montes, Matias, Ph.D. (Havana), Professor of Spanish
Montes, Yara, Ph.D. (Havana), Assistant Professor of Spanish
Mookini, Edwin, Ph.D. (California at Los Angeles), Professor of Mathematics
Moore, Cornelia N., Ph.D. (Indiana), Assistant Professor of German
Moore, Lewis, M.A. (Indiana), Instructor in Art
Moore, Ronald, Ph.D. (Columbia), Assistant Professor of Philosophy
Morris, V. Dixon, Ph.D. (Washington), Associate Professor of History
Morrison, James, M.A. (Columbia), Instructor in English
Mower, Howard F., Ph.D. (California Institute of Technology), Professor of Biochemistry
Mucklo, Margaret, M.F.A. (Bowling Green State), Instructor in English
Murray, Michael D., Ph.D. (Washington), Assistant Professor of Psychology
Murton, Brian J., Ph.D. (Minnesota), Assistant Professor of Geography
Nagata, Kenneth M., B.A. (Hawaii), Lecturer in Botany
Nagoshi, Jack, M.S.W. (Hawaii), Associate Professor of Social Work
Nakasone, Yoshino, Majikina Honury (Okinawa), Lecturer in Music
Nicoll, Elizabeth A., Ph.D. (Stanford), Assistant Professor of Education
Nishiyanaha, Kazuo, Ph.D. (Minnesota), Assistant Professor of Speech Pathology & Audiology
Nishikawa-Howard, Agnes, Ph.D. (New York), Professor of Human Development
Nobusawa, Nobuo, Ph.D. (Osaka), Professor of Mathematics
Noda, Daniel S., Ph.D. (Ohio State), Professor of Education
Nose, Katsashi, C.A.S. (Harvard), Associate Professor of Physics
Nunn, G. Raymond, Ph.D. (Michigan), Professor of History
Nunokawa, Walter, Ph.D. (Oregon), Professor of Education
Obata, John, M.S. (Pacific Union), Lecturer in Botany
Ogawa, Dennis, Ph.D. (California at Los Angeles), Assistant Professor of American Studies
O'Halloran, Frances, M.L.S. (Hawaii), Assistant Professor of Library Studies
O'Malley, J. Michael, Ph.D. (George Peabody College), Assistant Professor of Education
Onishi, Earl T., Lecturer in Health & Physical Education
Osner, Terence W., B.A. (Northern Colorado), Instructor in Physics
Ownbey, Ray, Ph.D. (Utah), Instructor in English
Oxford, Wayne H., Ph.D. (California at Los Angeles), Assistant Professor of Speech
Pak, Tae-yong, Ph.D. (Bowling Green State), Assistant Professor of English
Pang, Morris, Ed.D. (Colorado State), Associate Professor of Education
Pang, Tze-Yau, B.A. (New Asia College, Taiwan), Lecturer in Health & Physical Education
Pang-Ching, Glenn, Ph.D. (Southern California), Associate Professor of Speech Pathology & Audiology
Passey, Joel C., M.A. (Washington), Assistant Professor of Speech
Payne, Frank D., Ph.D. (Illinois), Assistant Professor of Education
Peet, William, Jr., M.A. (Hawaii), Instructor in English as a Second Language
Pendleton, Edwin C., Ph.D. (California at Berkeley), Professor of Business Economics & Industrial Relations
Pecard, Anthony J., Ph.D. (Ohio State), Associate Professor of Education
Picksens, Alexander L., Ed.D. (Columbia), Professor of Education
Piiania, Gordon, M.A. (Hawaii), Lecturer in Geography
Potter, Francis M., Ph.D. (Claremont Graduate School), Associate Professor of Education
Potter, Robert E., Ed.D. (Illinois), Professor of Education
Poyzer, Marvin F., Ed.D. (Bradley), Professor of Education
Preble, Duane, M.F.A. (Hawaii), Associate Professor of Art
Prigge, Nan, Ph.D. (Illinois), Assistant Professor of Education
Rapson, Richard L., Ph.D. (Columbia), Professor of History
Reddin, Mary E., Ed.D. (Indiana), Professor of Education
Reeter, H. Clayton, Ph.D. (Washington), Associate Professor of Management
Reid, Ian E., Ph.D. (Urh), Professor of Education
Rice, Robert, Ph.D. (Cornell), Assistant Professor of Economics
Ricks, Shirley, M.A. (San Francisco State), Instructor in English
Roecklein, Lynne, M.A. (Chicago), Instructor in English
Rogers, Kenneth, Ph.D. (Cambridge), Associate Professor of Mathematics
Rother, Ira S., Ph.D. (Michigan State), Assistant Professor of Political Science
Rosario, Florianzio Z., Ph.D. (Syracuse), Assistant Professor of Communication
Ruster, Fred, M.F.A. (Hawaii), Assistant Professor of Art
Ryall, Lewis E., Ph.D. (Eastman School of Music), Professor of Music
Russell, Armand K., D.M.A. (Eastman School of Music), Professor of Music
Russell, Lois, Lecturer in Music
Sakai, William, Ph.D. (Hawaii), Assistant Professor of Botany
Salsburg, George R., B.A. (Hawaii), Lecturer in German
Sankey, Jane, M.S. (Illinois), Assistant Professor of Fashion Design & Merchandising
Sassone, David, Ph.D. (Wisconsin), Assistant Professor of Classics
Sasa, Yasuki, Assistant Professor of Drama & Theatre
Saville, Allison, Ph.D. (Washington), Associate Professor of History
Schaleger, Larry L., Ph.D. (Minnesota), Associate Professor of Chemistry
Scherer, William F., Ph.D. (Southern California), Associate Professor of German
Schlieman, Dorothy, M.A. (Smith College), Instructor in English
Schofield, Edward T., Ed.D. (New York), Professor of Library Studies
Schuhmann, Frank K., D.B.A. (Colorado), Assistant Professor of Marketing
Scott, Frank S., Jr., Ph.D. (Illinois), Professor of Agricultural Economics
Seichi, George M., M.S. (Indiana), Assistant Professor of Health & Physical Education
Seifert, Friedrich, D.Th. (Pacific School of Religion), Professor of Religion
Seitz, Lynn, M.A. (Arizona State), Assistant Professor of English
Senecal, Peter, M.A. (Purdue), Instructor in American Studies
Seo, Kap Kyung, Ph.D. (Cincinnati), Professor of Business Economics & Quantitative Methods
Seymour, Richard K., Ph.D. (Pennsylvania), Professor of German
Shapiro, Jerrold, Ph.D. (Waterloo), Assistant Professor of Education
Shapiro, Norman, M.F.A. (Ohio), Instructor in Art
Sharma, Jagdish P., Ph.D. (London), Associate Professor of History
Shen, Yao, Ph.D. (Michigan), Professor of English
Shipwright, Edward R., M.S. (Juilliard School of Music), Assistant Professor of Music
Singer, Ronald, M.A. (Chicago), Instructor in English
Sinoto, Yoshihiko, D.Sc. (University of Hokkaido), Professor of Anthropology
Sitararam, Konavagil S., Ph.D. (Oregon), Assistant Professor of Speech
Siu, James, M.A. (Hawaii), Assistant Professor of Mathematics
Smiles, Joan E., Ph.D. (Stanford), Assistant Professor of Music
Spencer, Charles H., B.A. (Indiana), Professor of Accounting
Spielman, Earl V., M.A. (Wisconsin), Assistant Professor of Music
Spielvogel, Ellen, Ph.D. (New York), Assistant Professor of Mathematics
Sprague, Ralph, Ph.D. (Indiana), Associate Professor of Business Economics & Quantitative Methods
Standal, Bluebell R., Ph.D. (California at Berkeley), Associate Professor of Food and Agricultural Sciences
Stasack, Edward, M.F.A. (Illinois), Professor of Art
Steinberg, Danny, Ph.D. (Hawaii), Associate Professor of English as a Second Language
Stellmacher, Herbert B., M.B.A. (Southern Methodist), Assistant Professor of Marketing
Stempel, Daniel, Ph.D. (Harvard), Professor of English
Stillians, Bruce, Ph.D. (Iowa State), Associate Professor of English
Stratman, David, Ph.D. (New Mexico), Visiting Assistant Professor of Sociology
Streveler, Dennis, B.A. (Catholic Univ. of America), Instructor in Information & Computer Sciences
Stueber, Ralph K., Ph.D. (Wisconsin), Professor of Education
Summersgill, Travis, Ph.D. (Harvard), Professor of English
Suzuki, Yukihisa, M.A.S. (Michigan), Professor of Library Studies
Tagomori, Harry T., B.B.A. (Hawaii), Lecturer in Health & Physical Education
Takahira, Mildred M., Ph.D. (Columbia), Assistant Professor of Japanese Literature
Tait, Malcolm J., Ed.D. (Columbia), Associate Professor of Music
Takakahi, Patrick K., Ph.D. (Louisiana State), Assistant Professor of General Engineering
Takata, Masakatsu, B.A. (Hawaii), Lecturer in Art
Takeuchi-Feldman, Sumie L.A., Ed.D. (Syracuse), Assistant Professor of Education
Tanabe, Gilfred, Ph.D. (Purdue), Assistant Professor of Psychology
Taussig, Russell A., Ph.D. (California at Berkeley), Professor of Finance
Taylor, Ronald C., Ph.D. (Hawaii), Assistant Professor of Meteorology
Thomas, Dennis, Ph.D. (Purdue), Associate Professor of Business Economics & Quantitative Methods
Thompson, Donnis H., Ed.D., (Colorado State College), Associate Professor of Health & Physical Education
Thompson, John A., Ph.D. (Wisconsin), Associate Professor of Education
Thompson, Phyllis, Ph.D. (Wisconsin), Associate Professor of English
Thomson, Sandra, Ph.D. (Colorado), Assistant Professor of History
Tom, Earlene, B.S. (Oregon), Lecturer in Music
Tomshaga, Henry K., Ed.D. (Colorado State College), Associate Professor of Health & Physical Education
Tracy, Robert A., Ph.D. (Minnesota), Associate Professor of Health & Physical Education
Trimitro, Ricardo D., Ph.D. (California at Los Angeles), Associate Professor of Music
Troxell, Mary, M.S. (New York), Associate Professor of Fashion Design & Merchandising
Tuggle, H. David, Ph.D. (Arizona), Assistant Professor of Anthropology
Turnbull, Murray, M.A. (Denver), Professor of Art
Uchima, Floyd Y., M.Mus.Ed. (Northwestern), Associate Professor of Music
Uhalley, Stephen Jr., Ph.D. (California at Berkeley), Professor of History
Upadhyaya, Kashi, Ph.D. (Ceylon), Associate Professor of Philosophy
Uyehara, Yoshikia, M.Ed. (Hawaii), Instructor in Education
Vann, Sarah, Ph.D. (Chicago), Professor of Library Studies
Van Zile, Judy A., M.A. (Colorado), Instructor in Music
Varney, Sheldon S., Ed.D. (Colorado State), Associate Professor of Education
Vasconcellos, Henry B., M.A. (San Jose State), Associate Professor of Health & Physical Education
Vaught, Raymond, Ph.D. (Stanford), Professor of Music
Venezian, Giulio, Ph.D. (California Institute of Technology), Associate Professor of Ocean Engineering
Viglieilo, Valdo H., Ph.D. (Harvard), Professor of Japanese Literature
Virta, Roger T., M.A. (Hawaii), Instructor in Communication
Wade, Rex A., Ph.D. (Nebraska), Professor of History
Wall, Charles, M.S. (Hawaii), Instructor in Information & Computer Sciences
Wang, Jaw-Kai, Ph.D. (Michigan State), Professor of Agricultural Engineering
Wargo, Robert, Ph.D. (Michigan), Assistant Professor of Philosophy
Warner, Emily A., M.A. (Hawaii), Instructor in Communication
Weaver, Herbert B., Ph.D. (Pennsylvania), Professor of Psychology
Wen, Warren Y.F., M.B.A. (Hawaii), Instructor in Accounting
Welden, Terry A., 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
Werner, Ralph, M.A. (San Francisco State), Instructor in English
Wester, Lyndon, M.A. (Cal State Los Angeles), Assistant Professor of Geography
White, Russell E., B.A. (Portland State), Lecturer in Music
Whitesell, Philip A., M.A.T. (Indiana), Acting Assistant Professor of Education
Wiley, William J., M.A. (Hawaii), Lecturer in Education
Williams, Jean, Lecturer in Art
Williamson, Jack, Ph.D. (Wisconsin), Associate Professor of Mathematics
Winters, Lee, Ph.D. (California at Berkeley), Professor of English
Wisnosky, John, M.F.A. (Illinois), Assistant Professor of Art
Wolfe, Suzanne, M.F.A. (Michigan), Assistant Professor of Art
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
Worthley, Reginald, Ph.D. (Kansas State), Associate Professor of Business Economics & Quantitative Methods
Wyrski, Koos, Ph.D. (Kiel), Professor of Oceanography
Yamamoto, George, M.A. (Hawaii), Associate Professor of Sociology
Yamamoto, Kenneth, Ed.M. (Hawaii), Lecturer in Education
Yasui, Byron, D.M.A. (Northwestern), Assistant Professor of Music
Yeh, Yeong-Her, Ph.D. (Minnesota), Associate Professor of Anthropology
Young, H.Y., M.S. (Hawaii), Associate Professor of Agronomy
Zants, Emily, Ph.D. (Columbia), Associate Professor of French
Visiting Summer Faculty

Beckett, John A., M.A., Professor of Management, University of New Hampshire
Bereday, George, Ph.D., Professor of Comparative Education, Teachers College, Columbia University
Biller, Leslie, M.A., Assistant Professor of Art, University of California at Los Angeles
Brush, F. Robert, Ph.D., Professor of Psychology, Syracuse University
Bynder, Herbert, Ph.D., Associate Professor of Sociology, University of Colorado
Caserio, Marjorie C., Ph.D., Professor of Chemistry, University of California at Irvine
Casey, Genevieve M., M.A., Associate Professor of Library Science, Wayne State University
Deever, R. Merwin, Ed.D., Director, Bureau of Educational Research and Services, Arizona State University
Dell'Apa, Frank, Ed.D., Director, Corrections Program, Western Interstate Commission for Higher Education, Boulder, Colorado
Duus, Peter, Ph.D., Associate Professor of History, Claremont Men's College
Eberhard, Wolfram, Ph.D., Professor of Sociology, University of California at Berkeley
Elliott, Willis E., Ph.D., D.Th., Dean of Lay Theological Education, New York Theological Seminary
Feldman, Maurice Philip, Ph.D., Professor of Psychology, London University
Fernando, Quintus, Ph.D., Professor of Chemistry, University of Arizona
Fujinaka, Larry H., Ph.D., Assistant Professor of Psychology, De Pauw University
Gorelick, Molly, Ed.D., Associate Professor of Education, San Fernando Valley State University

Hailstones, Thomas, Ph.D., Dean, College of Business and Professor of Economics, Xavier University
Hautaluoma, Jacob, Ph.D., Associate Professor of Psychology, Colorado State University
Higginbotham, A. Leon, L.L.B., Judge, United States District Court, Philadelphia, Pennsylvania
Hohl, Hans R., Ph.D., Professor of Microbiology, University of Zurich, Switzerland
Kim, Chin-Wu, Ph.D., Professor of Linguistics, University of Illinois
Klein, Ronald, Ph.D., Assistant Professor of Psychology, University of Southern California
Krauss, Irving, Ph.D., Associate Professor of Sociology, Northern Illinois University
Kroeger, Clifton, Ph.D., Professor of History, Occidental College
Latham, Glenn I., Ed.D., Assistant Professor of Special Education, University of Oregon
Marti, Alvin L., Ph.D., Professor of Economics, The City University of New York
Meier, Robert A., Ph.D., Chairman, Accounting Department, California State at San Diego
Nagatani, Keizo, Ph.D., Associate Professor of Economics, University of British Columbia
Nelson, A. Tom, Ph.D., Professor of Accounting, University of Utah
Perkins, William C., Ph.D., Associate Professor in Quantitative Business Analysis, Indiana University
Pesci, Frank, Ph.D., Associate Professor of Higher Education, Catholic University of America
Rana, Ratna, Ph.D., Assistant Professor of Geography, Tribhuvan University, Kirtipur, Nepal
Reibel, David, Ph.D., Professor of English as a Second Language, University of York
Ritter, Frederic A., Ph.D., Professor of Geography, Morgan State College
Ross, William, Lecturer in Drama & Theatre, University of California at Los Angeles and University of California at Santa Barbara
Round, Frank E., Ph.D., Professor of Botany, University of Bristol, England
Schmitz, Francis J., Ph.D., Professor of Chemistry, University of Oklahoma
Sidowski, Joseph, Ph.D., Professor of Psychology, University of South Florida
Sisk, Dorothy A., Ed.D., Associate Professor of Special Education, University of South Florida
Smith, John H., Ph.D., Associate Professor of Accounting, University of Iowa
Stoyva, Johann, Ph.D., Associate Professor of Psychology, University of Colorado
Sue, Stanley, Ph.D., Assistant Professor of Psychology, University of Washington at Seattle
Tanyzer, Harold, Ph.D., Professor of Education, Hofstra University
Vandenberg, Steven G., Ph.D., Professor of Psychology, University of Colorado
Ward, David, Ph.D., Professor of Sociology, University of Minnesota
Wear, Larry, Ph.D., Associate Professor of Information Sciences, University of California at Chico
Wiggins, Nancy, Ph.D., Associate Professor of Psychology, University of Illinois
Winter, Ethel, M.A., Lecturer in Drama and Theatre, Juilliard School of Dancing
Zimbardo, Philip G., Ph.D., Professor of Psychology, Stanford 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 64 fields and the doctorate in 34 fields. The academic year consists of two 17-week semesters, and a 12-week summer session offering three 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, 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 1973, the forty-seventh 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 1973 from the University of Hawaii.
5. Student on scholastic probation, but eligible for continued registration at an accredited college or university.
6. Student who has never attended college or university before, but who has been accepted for admission at an accredited college or university.
7. Student currently in good standing at a local community college and enrolled in the transfer curriculum.

Applicants who do not fit any of the categories listed above are required to submit official transcripts along with a regular Admission Form by May 1, 1973 to the Office of Admissions and Records, 125 Bachman Hall, 2444 Dole Street, University of Hawaii, Honolulu, Hawaii 96822. Write to the Office of Admissions and Records for 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 Friday, February 9; Friday, March 9; Saturday, April 28; and Friday, June 1, 1973.

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 18 to August 24) 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 for Fall Semester 1973 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 wish 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 203
College of Engineering, Holmes 240
College of Health Sciences and Social Welfare
School of Medicine, Biomedical
Science Building Court B-106
School of Nursing, Webster 415
School of Public Health, Biomedical
Science Building D-208
School of Social Work, Hawaii 117
College of Tropical Agriculture, Gilmore 114, Miller 110
Graduate Division, Spalding 360
Library Studies, Sinclair 106
Summer Session, Krauss 101
ALL STUDENTS MAY REGISTER FOR ALL SUMMER SESSION TERMS AT ONE TIME.

BEGINNING JUNE 4 THROUGH JULY 20, STUDENTS MAY REGISTER WITHOUT REGARD TO AN ALPHABETICAL SCHEDULE. REGISTRATION WILL NOT BE HELD DURING HOLIDAYS. EACH REGISTRATION DAY WILL BEGIN AT 8:00 A.M. AND END AT 3:00 P.M.

STUDENTS ARE REMINDED THAT THEY WILL PROCESS ONLY ONE REGISTRATION FORM REGARDLESS OF WHICH SUMMER SESSION TERM THEY ENROLL IN.

Example: A student may register for courses in the first and third summer session on his initial registration form and he need not process another registration form. Students are encouraged to register for all summer session terms at one time.

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

II. ENROLLMENT
STUDENTS will obtain their IBM course cards and pay their fees on the days indicated below in the following schedule (last names):

<table>
<thead>
<tr>
<th>Last Name</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>A—H</td>
<td>May 22, 29</td>
</tr>
<tr>
<td>I—L</td>
<td>May 23, 30</td>
</tr>
<tr>
<td>M—R</td>
<td>May 24, 31</td>
</tr>
<tr>
<td>S—Z</td>
<td>May 25, June 1</td>
</tr>
</tbody>
</table>

LATE REGISTRATION. Late registration will be permitted until 4 p.m. on Friday, June 8 (first term), 4 p.m. on Friday, June 29 (second term), and until 4 p.m. on Friday, July 20 (third term).

CHANGE OF REGISTRATION. Changes in registration for the first term will be permitted until JUNE 8; for the second summer term until JUNE 29; and for the third term until JULY 20. Change of registration forms may be obtained at the Office of Admissions and Records in Bachman Annex 13.

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.

Under this authorization, the maximum Activity Fee to be paid by any enrollee in any one of the three sessions in Summer 1973 will be $2.00, the maximum Campus Center Amortization Fee will be $6.00 (i.e., $3.00 for enrollment in one session, $6.00 for enrollment in two sessions, $6.00 for enrollment in all three sessions).

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 June 1 for the first term, 4 p.m. on Friday June 22 for the second term, and 4 p.m. Friday July 13 for the third 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 June 6 (first term); until 4 p.m. on June 27 (second term); and until 4 p.m. July 18 (third term).

3. 37 1/2% thereafter, until 4 p.m. on June 12 (first term); until 4 p.m. on July 2 (second term); and until 4 p.m. July 23 (third term).

4. No part of the $40.00 visitor's 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 12 in the first term, after July 2 in the second term, and after July 23 in the third 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 "0" (zero) in computing the grade for the course. Students must complete all work and examinations required by their instructors, attend classes regularly until the end of each course, and hand in all assignments by that time. No part of the work may be continued beyond the end of the term, without approval of the Dean of Summer Session.

The grading system is the same as the fall and spring semesters: A, B, C, D, F, Cr/NC (Credit/No Credit), W (withdrawal, not failing), 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. It is also necessary to assign an alternate grade alongside the "I", e.g., I becomes □. 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, it becomes 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 the third summer session term is completed. There will be only one mailing of grade reports. Grade reports will NOT be mailed after each summer session 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 125. 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. Transcript requests, regardless of the termination date of a course, will NOT be processed until after the third summer session term ends. Students and institutions will receive requested transcripts late in September.

TO DOE TEACHERS OF HAWAII. In order to qualify for higher salary classification, courses must be completed by August 31. Transcripts or grade slips of work done during the summer will be accepted by the Department of Education up to October 31, 1973. Salary adjustments made as a result of such work will be effective as of September 1.

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.
SUMMER SESSION NOTES

ENROLLMENT FIGURES. The University of Hawaii Summer Session is one of the largest in the country. In 1972 a total of 17,475 students enrolled, registering for 70,446 credits. Some 83 percent of the students were from Hawaii, 11 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 63 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 1973 summer session offers many distinctive courses such as the following:

- **American Studies**: Special Topics: Japanese-Americans, Filipino-Americans, Chinese-Americans; Asian Influences in American Civilization.
- **Anthropology**: Oceania; Asia; Regional Archaeology—Asia and Pacific.
- **Art**: Aspects of Asian Art.
- **Asian Studies**: Civilizations of Asia; Contemporary Chinese Studies Seminar.
- **Botany**: Ethnobotany; Identification of Tropical Plants.
- **East Asian Languages**: Chinese; Japanese; Korean.
- **East Asian Literature**: Chinese; Japanese.
- **Education**: Methods and Materials for the Study of Hawaii; History of Education in Hawaii; Dances of Hawaii; Zen and Education; Comparative Education: Asia; Tai Chi Ch’uan, Karate, Judo.
- **English**: Readings in Oriental Literature; Literature of the Pacific.
- **English as a Second Language**: the English Language in Hawaii.
- **Geography**: Geography of the Tropics, China, Hawaii.
- **Geology and Geophysics**: Geology of the Hawaiian Islands.
- **History**: Asia; South Asia; Southeast Asia; China; Korea; Japan; Hawaiian Islands.
- **Human Resources**: Pacific Foods.
- **Indo-Pacific Languages**: Bengali; Burmese; Hawaiian; Ilokano; Indonesian; Lao; Samoan; Tagalog; Tahitian; Tongan; Vietnamese.
- **Music**: Applied course in Koto, Japanese Dance, Okinawan Dance, South Indian Singing; Hawaiian Ensemble; Institute on Asian Music in Music Education; Asian and Pacific Music in Education; Class Koto.
- **Philosophy**: Indian; Buddhist; Chinese.
- **Political Science**: South and Southeast Asian; Japanese-Americans and Japanese; Japanese Politics; Government and Politics of China.
- **Religion**: Introduction to World’s Major Religions.
- **Science, General**: Introduction to Science: Hawaiian Perspectives.
- **Sociology**: Survey of Race and Culture Contacts in Hawaii; People and Institutions of China.
- **Speech**: Culture and Communication: Japan and the United States.

Workshop in Aerospace Education. June 25—August 3 (6 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 Study in Asia and the Pacific. The Study Abroad office is offering several options for study earning up to 6 credits through travel to various areas of Asia and the Pacific. The summer session is offering an accelerated three-week program (June 25—July 13) in History 342 Civilizations of East Asia in preparation for two of these programs: (1) Religions of Japan, to be taught by Professors Robert Bobilin and Alfred Bloom, which will emphasize major Buddhist movements and provide a fitting climax to the Kamakura Celebration to be held in Hawaii during Spring 1973; (2) Modernization and the Asian Future, a social science study program to be taught by Dr. Gerald M. Meredith, in Japan, Korea, Taiwan, Hong Kong, and Thailand. Both programs are dated July 13—August 24.

For details on these and other Study Abroad programs, address inquiries to: Dr. Mary F. Gray, Program Specialist, Study Abroad, College of Continuing Education and Community Service, University of Hawaii, 2500 Dole St., Honolulu, Hawaii 96822.

Summer Research Program in Hawaiian Archaeology. June 15—August 30. Archaeological field research is carried out in a selected area of the Hawaiian Islands. This program emphasizes undergraduate research participation. Participants are expected to develop research topics and carry out field work in conjunction with the overall research of the program. Undergraduate credit is available. Interested students should inquire as soon as possible before April 1 and applications must be in by April 1, 1973. Address inquiries to Dr. H. David Tuggle, Department of Anthropology, University of Hawaii, Honolulu, Hawaii 96822.
EXTRACURRICULAR ACTIVITIES

Summer Work-Study Program in Mental Health and Related Areas. June 25—August 3. The WICHE Work-Study Program is scheduled for the second summer session, June 25th through August 3rd. Approximately 20 students will be selected from among those who make formal application before March 30, 1973, through Dr. Dean McIntosh, 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. Preference will be given to those willing to work in the State of Hawaii prison setting.

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.

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

FESTIVAL OF THE ARTS OF THIS CENTURY. The seventeenth annual Festival of Arts of This Century will be presented concurrently with the summer session, June 25—August 3. Sponsored by the University of Hawaii Summer Session, the University of Hawaii Foundation and the State Foundation on Culture and the Arts, the Festival is dedicated to the exchange of East-West contemporary arts in music, dance and visual arts and theatre.

SUMMER PLAYS. The University Summer Theatre will present plays 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 9 a.m. to 5 p.m. during the first term (June 4—July 13). 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 Koolau Mountains, and the ocean. The halls are comfortably furnished and fully carpeted.

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 will open 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.

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 ($150—$25*) .......... $125.00
   Board (10 meals per week) .. $ 81.00
   _____________________________ $206.00
II. Room ($150—$25*) ......... $125.00
   Board (15 meals per week) .. $ 91.00
   _____________________________ $216.00

Single room rent is $170.00

*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 the student with his health problems while he is attending the University of Hawaii. Its medical care program is comparable to that of the general office practice of medicine. A dispensary provides physician 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 he is 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 the student submits authorization and directions from his personal physician.

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

1. The student must have a medical examination performed by his personal physician. Arrangements for this medical examination, including payment, must be made by the student.

2. The student must submit the result of the medical examination to the Health Service. The University of Hawaii health form for reporting the result of the medical examination may be obtained by writing to: Student Health Service, University of Hawaii, 1710 East-West Road, Honolulu, Hawaii 96822.

3. The Health Service will then study the medical examination report and issue the appropriate medical clearance.

TB Clearance. All students must have a TB skin test or chest x-ray performed six months prior to enrollment. Students without a Medical Clearance Card or a TB clearance who report for registration will be required to go to the Student Health Service for a chest x-ray or tuberculin skin test during registration before they will be permitted to register.

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 28 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 re-
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 Pauwa Annex, 1455 S. Beretania St., Honolulu 96814 (telephone 955-8111). There are other Oahu offices at Waialua, 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 several locations on campus including the Office of University Relations in Bachman Hall, and the Auxiliary Services building. Ignorance of these rules and special instructions will not excuse a student from the payment of fines for violations.

Parking stickers 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 1973 semester and will either re-enroll at the University of Hawaii-Manoa for the Fall 1973 semester, or will graduate from Manoa in the Summer of 1973 will be considered for summer session loans. The filing deadline is March 1, 1973. 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, TROPICAL

Agriculture (Ag)

**FIRST TERM**
- 299 Agricultural Practice (2)  
  S. Goto  
  Agricultural practice on projects at Pearl City Instructional Facility.
- 399 Agricultural Thesis (v)  
  S. Goto  
  Advanced individual work in field, laboratory, library, government service practicum.

**SECOND TERM**
- 399 Agricultural Thesis (v)  
  S. Goto  
  Advanced individual work in field, laboratory, library, government service practicum.

Agricultural Economics (AgEc)

**FIRST TERM**
- 399 Directed Research (v)  
  F. Scott, Jr.
- 699 Directed Research (v)  
  F. Scott, Jr.

**SECOND TERM**
- 399 Directed Research (v)  
  F. Scott, Jr.
- 699 Directed Research (v)  
  F. Scott, Jr.

**THIRD TERM**
- 399 Directed Research (v)  
  F. Scott, Jr.
- 699 Directed Research (v)  
  F. Scott, Jr.

Agricultural Engineering (AgEng)

**FIRST TERM**
- 499 Directed Research (v)  
  D. Kinch  
  Research in the area of mechanized agricultural production. Pre: consent of instructor.
- 699 Directed Research (v)  
  J. Wang
- 800 Thesis Research (v)  
  Staff

**SECOND TERM**
- 499 Directed Research (v)  
  Staff
- 799 Directed Research (v)  
  Staff

**THIRD TERM**
- 499 Directed Study (v)  
  Staff
- 699 Directed Research (v)  
  Staff
- 799 Directed Research (v)  
  Staff
- 800 Thesis Research (v)  
  Staff

**AGRICULTURE**

**FIRST TERM:** June 4—July 13

**SECOND TERM:** June 25—August 3

**THIRD TERM:** July 16—August 24
Animal Sciences (AnSc)

FIRST TERM
499 Directed Study or Research (v)    Staff
Limited to exceptional undergraduate students, generally with a 2.7 overall grade-point ratio or 3.0 in major. Exceptions may be granted students with high achievement in last 3 semesters.

699 Directed Research (v)    Staff
(1) Genetics—Vogt; (2) Nutrition—Brooks, Ross, Stanley, Palfox; (3) Physiology—Wayman, Herrick; (4) Microbiology and Pathology—Nakamura; (5) Management—Staff.

800 Thesis Research (v)    Staff

SECOND TERM
499 Directed Study or Research (v)    Staff
Limited to exceptional undergraduate students, generally with a 2.7 overall grade-point ratio or 3.0 in major. Exceptions may be granted students with high achievement in last 3 semesters.

699 Directed Research (v)    Staff
(1) Genetics—Vogt; (2) Nutrition—Brooks, Ross, Stanley, Palfox; (3) Physiology—Wayman, Herrick; (4) Microbiology and Pathology—Nakamura; (5) Management—Staff.

800 Thesis Research (v)    Staff

Entomology (Ento)

FIRST TERM
699 Directed Research (v)    W.C. Mitchell
Directed research mainly for students majoring in entomology.

800 Thesis Research (v)    W.C. Mitchell
Thesis research required for all students enrolled under Plan A, the thesis program.

SECOND TERM
699 Directed Research (v)    W.C. Mitchell
Directed research mainly for students majoring in entomology.

800 Thesis Research (v)    W.C. Mitchell
Thesis research required for all students enrolled under Plan A, the thesis program.

THIRD TERM
699 Directed Research (v)    W.C. Mitchell
Directed research mainly for students majoring in entomology.

800 Thesis Research (v)    W.C. Mitchell
Thesis research required for all students enrolled under Plan A, the thesis program.

Food Science and Technology (FdSc)

FIRST TERM
699 Directed Research (v)    Staff

800 Thesis (v)    Staff

SECOND TERM
699 Directed Research (v)    Staff

800 Thesis (v)    Staff

Horticulture (Hort)

FIRST TERM
499 Directed Study (v)    Staff

699 Directed Research (v)    Staff

800 Thesis (v)    Staff

THIRD TERM
499 Directed Study (v)    Staff

699 Directed Research (v)    Staff

711 Special Topics (v)    Staff

800 Thesis (v)    Staff

Plant Pathology (PPath)

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

605 Clinical Plant Pathology (2)    A.P. Martinez
Pre: 410 and consent of instructor.
Daily 8:30-1:30

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.

Soil Science (Soils)

FIRST 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.

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.
## AMERICAN STUDIES (Am St)

### FIRST TERM

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Instructor</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>201</td>
<td>Introduction to American Civilization (3)</td>
<td>D. Boylan</td>
<td>Central themes of American life and experience studied in the perspectives of history, literature, and the social sciences. Daily 8:45-10:00</td>
</tr>
<tr>
<td>465</td>
<td>Popular Culture in America (3)</td>
<td>F. Matson</td>
<td>Examination of major themes, mode and media of popular or mass culture in the U.S. Daily 11:35-12:50</td>
</tr>
<tr>
<td>490(1)</td>
<td>Special Topics: Men and Women in American Thought (3)</td>
<td>D. Bertelson</td>
<td>The meaning and content of current sexual liberation movements based on past and present writing. Daily 8:45-10:00</td>
</tr>
<tr>
<td>495</td>
<td>Black Americans and American National Character (3)</td>
<td>M. Helbling</td>
<td>Examination of the nature of American national character and the role Black Americans have played in the making of that character. Daily 10:10-11:25</td>
</tr>
</tbody>
</table>

### SECOND TERM

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Instructor</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>301</td>
<td>Man in Society (3)</td>
<td>P. Senecal</td>
<td>Some basic problems and processes of contemporary society, jointly examined by several social sciences. Daily 8:45-10:00</td>
</tr>
<tr>
<td>490(1)</td>
<td>Special Topics: Japanese-Americans (3)</td>
<td>D. Ogawa</td>
<td>The Japanese-American experience in American society. Daily 8:45-10:00</td>
</tr>
<tr>
<td>641</td>
<td>Asian Influences in American Civilization (3)</td>
<td>S. Sue</td>
<td>To examine the influence of Asian thought, people and arts in America. Daily 1:10-2:25</td>
</tr>
</tbody>
</table>

### THIRD TERM

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Instructor</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>202</td>
<td>Introduction to American Civilization (3)</td>
<td>D. Boylan</td>
<td>Central themes of American life and experience studied in the perspectives of history, literature and the social sciences. Daily 8:45-10:00</td>
</tr>
<tr>
<td>295</td>
<td>Culture of the American Indian (3)</td>
<td>J. Gurian</td>
<td>Examination of the American Indian from a historical and literary view. Daily 10:10-11:25</td>
</tr>
<tr>
<td>302</td>
<td>Man in Society (3)</td>
<td>P. Senecal</td>
<td>Some basic problems of contemporary society, jointly examined by several social sciences. Daily 11:35-12:50</td>
</tr>
</tbody>
</table>

## ANATOMY (Anat)

### FIRST TERM

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Instructor</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>699</td>
<td>Directed Research (v)</td>
<td>V. DeFeo</td>
<td>Students learn specific techniques, methodology and pitfalls of experimental research under close guidance by faculty member. Pre: consent of instructor. Hrs. arr.</td>
</tr>
</tbody>
</table>

### SECOND TERM

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Instructor</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>699</td>
<td>Directed Research (v)</td>
<td>V. DeFeo</td>
<td>Students learn specific techniques, methodology and pitfalls of experimental research under close guidance by faculty member. Pre: consent of instructor. Hrs. arr.</td>
</tr>
</tbody>
</table>

### THIRD TERM

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Instructor</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>699</td>
<td>Directed Research (v)</td>
<td>V. DeFeo</td>
<td>Students learn specific techniques, methodology and pitfalls of experimental research under close guidance by faculty member. Pre: consent of instructor. Hrs. arr.</td>
</tr>
</tbody>
</table>

## ANTHROPOLOGY (Anth)

### FIRST TERM

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Instructor</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>150</td>
<td>Introduction to Anthropology (3)</td>
<td>Staff</td>
<td>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</td>
</tr>
<tr>
<td>200</td>
<td>Cultural Anthropology (3)</td>
<td>Staff</td>
<td>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</td>
</tr>
<tr>
<td>210</td>
<td>Archaeology (3)</td>
<td>Staff</td>
<td>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</td>
</tr>
<tr>
<td>215</td>
<td>Physical Anthropology (3)</td>
<td>J. Hanna</td>
<td>Introduction to physical anthropology; primatology, fossil man, heredity, modern man, human growth and constitution. Daily 10:10-11:25</td>
</tr>
</tbody>
</table>
ANTHROPOLOGY

350 Oceania (3) R. Kiste
Introduction to native cultures of Polynesia, Micronesia, Melanesia, Australia. Pre: 200.
Daily 8:45-10:00

380 Archaeological Field Techniques (3) Y. Sinoto
Archaeological survey and excavations; weekend field trips, mapping, photography, recording. Pre: written consent of instructor only.
Hrs. arr.

385(1) Undergraduate Proseminar (3) H. Tuggle
Reporting and discussion of selected problems in current research. Pre: written consent of instructor only.
Hrs. arr.

399 Directed Reading (v) Staff
Pre: 2.7 grade-point ratio, or 3.0 grade-point in anthropology, or written consent of instructor.
Hrs. arr.

699 Directed Reading (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 11:35-12:50

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 8:45-10:00

210 Archaeology (3) Staff
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

355 Asia (3) Staff
Daily 10:10-11:25

399 Directed Reading (v) Staff
Pre: 2.7 grade-point ratio, or 3.0 grade-point in anthropology, or written consent of instructor.
Hrs. arr.

414 Introduction to Linguistic Anthropology (3) Staff
Introduction to the ethnographic study of speech and language. Pre: written consent of instructor. (Same as Linguistics 414)
Daily 11:35-12:50

480 Anthropological Applications (3) R. Fruehling
Education as means of transmitting culture. Socialization in non-literate societies; universal aspects of process. Cross-cultural education. (Identical with Ed EF 480)
Daily 8:45-10:00

699 Directed Reading (v) Staff
Pre: classified graduate standing and written consent of instructor.
Hrs. arr.

THIRD 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 8:45-10:00

381 Archaeological Laboratory Techniques (3) Y. Sinoto
Laboratory analysis and evaluation of field data; preservation and restoration of artifacts. Preparation of materials for publication. Pre: written consent of instructor only.
Hrs. arr.

399 Directed Reading (v) Staff
Pre: 2.7 grade-point ratio, or 3.0 grade-point in anthropology, or written consent of instructor.
Hrs. arr.

460(1) Regional Archaeology (Asia and Pacific) (3) H. Tuggle
Regional surveys of prehistoric cultures, based on archaeological research. Pre: written consent of instructor only.
Hrs. arr.

699 Directed Reading (v) Staff
Pre: classified graduate standing and written consent of instructor.
Hrs. arr.

ARCHITECTURE (Arch)

FIRST TERM

312 Basic Drafting and Site Surveying (3) H. Burgess
Skills and techniques needed to survey and record existing site conditions as well as preparation of drawings and details to describe site design. Preparation of working drawings and specifications for small residence. Pre: 311. Concurrent registration in a design studio except during summer session.
Daily 1:10-2:25

400V Studio in Hotel & Resort Design (3) H. Burgess
Advanced site planning and design for a resort complex in the context of a tourism development plan. Detailed design of hotel building or buildings. Thematic approach to functional requirements, human factors, and the environmental setting as defined by architectural form and space. Pre: architecture major and C or better in 311 or equivalent and/or consent of instructor for non-majors.
Daily 2:35-5:20

412 Working Drawings, Estimating and Specifications (3) H. Burgess
Construction documents for current building construction practices and methods using a team approach on an actual project. Pre: 411. Daily 1:10-2:25

471 Environmental Psychology (3) H. Weaver
Psychological aspects of problems of ecology, environment, and the future. (Identical with Psy 471)
Daily 7:20-8:35

671 Advanced Environmental Psychology (3) H. Weaver
Psychological aspects of problems of ecology, environment, and the future. (Identical with Psy 671)
Daily 10:10-11:25
ART (Art)

Except as noted, completion of introductory courses 113, 114, 115, 116 and 101 are the prerequisites to all studio courses numbered 200 and above. 101 is the prerequisite to all art history 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 work for educational purposes with the consent of the student.

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) M. Takata, S. Fletcher (4 sections)
Studio experience mainly for non-majors. Lectures and projects. Credit cannot count towards major requirements in art. Daily (1) 7:20-10:00 (Fletcher) (2) 8:45-11:25 (Takata) Farrington High School (3) 1:10- 3:50 (Fletcher) (4) 1:10- 3:50 (Takata) Farrington High School

106 Elementary Studio—Sculpture (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

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) E. Stasack
Studio experience mainly for non-majors. Lectures and projects. Credit cannot count towards major requirements in art. Daily 11:00-1:45

113 Introductory Studio “A” (3) E. Stasack
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 8:00-10:45

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) M. Turnbull
Emphasis on space: environmental; actual and illusory; 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) K. Gregory
Emphasis on time, motion, system: 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 8:45-11:25

207 Photography A (3) N. Shapiro
Camera as tool of expression and photography as basic art form. 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

214 Life Drawing (3) K. Bushnell
Drawing from the model. Pre: 213. 214 may be repeated. Daily 10:10-12:50

216 Printmaking—Lithography (3) R. Davidson
Technical controls: development of concepts appropriate to lithography. Daily 10:10-12:50

223 Painting “A” (3) K. Bushnell
Painting from studio and outdoor subject matter. Elements of pictorial style. Daily 7:20-10:00

230 Textile Design (3) M. Everson
Design problems for production of printed fabric utilizing silkscreen techniques. Seminars. Daily 8:00-10:45

230 Ceramics A (3) S. Wolfe
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, S. Wolfe
(2 sections) Intermediate wheel throwing and hand building. Operation and care of kilns. Seminars. Pre: 243. May be repeated. Daily (1) 7:20-10:00 (C. Horan) (2) 1:10- 3:50 (S. Wolfe)

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 A (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 1:10-3:50

255 Intermediate Sculpture B (3) F. Roster
Developing concepts of form and form relationships using a variety of materials with an emphasis on the additive process. Seminars. Pre: 253. Daily 1:10-3:50

280 Aspects of Asian Art (3) Staff
Major developments in arts of Asia. Daily 10:10-11:25

330 Advanced Textile Design (3) M. Everson
Design and execution of printed fabric, utilizing photographic process and combined techniques of silkscreen printing. Seminars. Pre: 230 (exception: visual design majors). May be repeated. Daily 11:00-1:45

341 Advanced Ceramics (3) F. Beaver
Wheel throwing or hand building. Individual development. Seminars. Pre: 244. May be repeated. Daily 10:10-12:50
ART

THIRD TERM

113 Introductory Studio “A” (3) D. Preble
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 8:00-10:45

353 Advanced Sculpture (3) F. Roster
Individual projects stressing experimentation and subjective approach to form. Seminars. Pre: 254, 255. May be repeated. Daily 1:10-3:50

401 Glass Blowing (3) C. Horan
Forming of glass while in a molten condition using off hand blowing and tooling techniques. Decorative techniques as applied both on the hot workable glass as well as the cooled annealed glass. Pre: 341 or 353 or consent of instructor. 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 11:00-1:45

648 Ceramic Glazes and Clay Bodies (3) C. Horan

SECOND TERM

113 Introductory Studio “A” (3) D. Preble
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 8:00-10:45

238 Weaving (3) J. Williams
Creative processes of weaving. Warping and threading of simple hand looms and multiple harness looms. Seminars. Daily 8:45-11:25

244 Painting “B” (3) J. Wisnosky
Painting from identifiable sources; emphasis on expression and structure. Oil and related media. Pre: 223. Daily 10:10-12:50

270 Aspects of European and American Art (3) L. Moore
Major developments in arts of Europe and America. Daily 11:35-12:50

THIRD TERM

113 Introductory Studio “A” (3) D. Preble
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 8:00-10:45

214 Life Drawing (3) L. Biller
Drawing from the model. Pre: 213. May be repeated. Daily 8:00-10:45

224 Painting “B” (3) L. Biller
Painting from identifiable sources; emphasis on expression and structure. Oil and related media. Pre: 223. Daily 11:00-1:45

ASIAN STUDIES (Asian)

FIRST TERM

242 Civilizations of Asia (3) S. Tomson
Historical survey of major civilizations of Asia from 1500 to present including East Asia, Southeast Asia, and South Asia. (Identical with Hist 242) Daily 2:35-3:50

601 Contemporary Chinese Studies Seminar (3) S. Uhalley, Jr.
Topical studies of contemporary China including attention to significant historical antecedents. (Identical with Hist 725) TTh 9:00-12:00

SECOND TERM

242 Civilizations of Asia (3) V. Morris
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

241 Civilizations of Asia (3) S. Tomson
Historical survey of major civilizations of Asia from 1500 to present including East Asia, Southeast Asia, and South Asia. (Identical with Hist 242) Daily 11:35-12:50

THIRD 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

BIOCHEMISTRY (Bioch)

THIRD 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

480 Introduction to Human Endocrinology (2) N. Bhagavan
Introduction of endocrine system, structure, physiology, hormones as chemicals, their biological effects and regulation of secretion. Pre: 441 or consent of instructor. Daily 7:45-8:35

799 Directed Research (v) Staff

800 Thesis Research (v) Staff

BIOPHYSICS (Bioph)

THIRD TERM

799 Directed Research (v) Staff

800 Thesis Research (v) Staff
BOTANY (Bot)

FIRST TERM

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.

612 Advanced Botanical Problems (v) W. Sakai, Staff
(2 sections)
Investigation of any botanical problem; reading and laboratory work. Pre: consent of instructor. May be repeated.
Hrs. arr. (1) Staff
(2) Sakai

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

105 Ethnobotany (3) J. Obata
Plants and their influence upon culture of Hawaii and Pacific; uses of cultivated and wild plants.
Daily 10:10-11:25

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) F. Round
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

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.

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

THIRD TERM

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.

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

BUSINESS ADMINISTRATION

Accounting (Acc)

FIRST TERM

201 Elementary Accounting I (3) R. Baird, T. Kimball
(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) 7:20-8:35 (Labs to be announced) (Kimball)
(2) 10:10-11:25 (Labs to be announced) (Baird)

202 Elementary Accounting II (3) S. Lee
(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) 7:20-8:35 (Labs to be announced)
(2) 8:45-10:00 (Labs to be announced)

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 1:10-2:25

321 Financial Accounting I (3) W. Wee
Daily 11:35-12:50

325 Financial Accounting III (3) J. Smith
Daily 10:10-11:25

331 Auditing (3) J. Smith
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 8:45-10:00

SECOND TERM

201 Elementary Accounting I (3) A. T. Nelson
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 8:45-10:00 (Labs to be announced)

202 Elementary Accounting II (3) A. T. Nelson
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 10:10-11:25 (Labs to be announced)

THIRD TERM

201 Elementary Accounting I (3) W. Wee
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 8:45-10:00 (Labs to be announced)
Business (Bus)

FIRST TERM

501 Accounting (3)*  R. Meier
Basic concepts and procedures with emphasis upon cost accumulation and preparation, analysis and uses of financial statements. 
June 4-July 27
TTh 4:30-7:00 p.m.

601 Managerial Accounting (3)*  R. Meier
June 4-July 27
MW 4:30-7:00 p.m.

611 Statistical Methods of Business Analysis (3)  N.H.P. Chung
Mathematical methods and techniques of statistical inference used in business. Pre: 503 or equivalent. June 4-July 27
MW 7:15-9:45 p.m.

621 Managerial Economics (3)  T. Hailstones
Applications of economic analysis to wide variety of problems in business. Topics include management decision theory, profit, demands, production, cost, pricing, competition, capital budgeting. Pre: 501, 502, 503, and 611 or equivalent. June 4-July 27
TTh 7:15-9:45 p.m.

631 Finance (3)  R. Taussig
Analysis of fundamental financial problems. Financial planning and management, capital budgeting, securities and other financial instruments, financial markets, principal financial intermediaries. June 4-July 27
TTh 7:15-9:45 p.m.

641 Management: A System Analysis (3)  Staff
Introduction to the systems concept of management; provides a framework for conceptualizing the interrelationship 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. June 4-August 10
MW 7:15-9:15 p.m.

642 Behavioral Science for Business (3)  J.A. Beckett
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. June 4-August 10
MW 5:00-7:00 p.m.

651 Marketing (3)  Staff
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, 611, 621. June 4-August 10
TTh 5:00-7:00 p.m.

796 Business Policy (3)  J.A. Beckett
Analysis of comprehensive business problems to provide an integration of learning through the resolution of policy issues and through practice in administrative decision making. 
June 4-August 10
TTh 5:00-7:00 p.m.

*Students will receive 3 credit hours for passing this course but these credits will not be included in the 33-hour requirement for the graduate degree.
†Undergraduate accounting majors will not be allowed to take this course.
Business Analysis and Statistics (BAS)

FIRST TERM

122 Mathematics for Decision Making II (3)  G. Colvin
(2 sections)
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) 7:20-8:35
(2) 10:10-11:25

301 Business Statistics (3)  C. Congdon
(2 sections)
Principles of statistical inference, including frequency distribution, averages, variation, testing hypotheses, estimation of population mean, index numbers, time series, correlation, probability, sampling, chi square and F distribution, analysis of variance. Utilization of statistical data as aid to managerial decisions. Pre: 122 or 125, BEd 201 or equivalent.
Daily (1) 7:20-8:35
(2) 8:45-10:00

302 Business Statistics (3)  G. Thomas
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, BEd 201 or equivalent.
Daily 8:45-10:00

305 Business Statistics (3)  G. Thomas
Accelerated version of 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 BEd 201 or equivalent.
Daily 7:20-8:35

321 Introduction to Quantitative Analysis (3)  W.C. Perkins
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)  W.C. Perkins
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, P/L) Pre: 122 or 125.
Daily 10:10-11:25

THIRD TERM

122 Mathematics for Decision Making II (3)  Staff
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 7:20-8:35

301 Business Statistics (3)  Staff
Principles of statistical inference, including frequency distribution, averages, variation, testing hypotheses, estimation of population means, 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, BEd 201 or equivalent.
Daily 10:10-11:25

302 Business Statistics (3)  R. Worthley
(2 sections)
Principles of statistical inference, including frequency distribution, averages, variation, testing hypotheses, estimation of population means, 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, BEd 201 or equivalent.
Daily (1) 8:45-10:00
(2) 10:10-11:25

351 Introduction to Computers and Data Processing (3)  Staff
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, P/L) Pre: 122 or 125.
Daily 8:45-10:00

Business Economics (BEd)

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, Staff
(2 sections)
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, BEd 122 or equivalent.
Daily (1) 8:45-10:00 (Seo)
(2) 10:10-11:25 (Staff)

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, BEd 122 or equivalent.
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. 341 students may not receive credit for both 345 and Econ 340. Pre: 201, BEd 122 or equivalent.
Daily 8:45-10:00

349 Managerial Economics (3)  K.K. Seo
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 10:10-11:25
THIRD TERM

201 Economic Environment of Business (3)  T. Ige
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 8:45-10:00

341 Economic Analysis for Decision Making (3)  Staff
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.
Daily 10:10-11:25

343 Business Conditions Analysis (3)  Staff
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.
Daily 11:35-12:50

349 Managerial Economics (3)  Staff
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

Finance (Fin)

FIRST TERM

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

305 Problems of Business Finance (3)  L. Jacobsen
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 10:10-11:25

734 Investment Analysis and Management (3)  R. Taussig
Techniques of securities, theory of investment and investment decisions, applications to portfolio planning for institutional and individual investors. June 4-July 27
TTh 4:30-7:00 p.m.

THIRD TERM

300 Business Finance (3)  M. Hicks
Introduction to functions, techniques, and problems of business finance; investing in assets, financing strategies, planning and control. Pre: Acc 202.
Daily 10:10-11:25

Mgt

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

311 Legal Environment of Business II (3)  T. Kimball
Critical study of legal environment of business administration including legal aspects of competition, monopolies, mergers, labor, taxation and regulatory agencies. Pre: 300.
Daily 10:10-11:25

THIRD 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 regulation.
Daily 7:20-8:35

Management (Mgt)

FIRST TERM

301 Management and Organizational Behavior (3)  H.C. Reeser
Analysis of the management process with particular emphasis on human resources.
Daily 1:10-2:25

302 Operations Management I (3)  A. Edge
Management of the production and operations functions of an enterprise. Pre: BAS 302.
Daily 11:35-12:50

341 Human Relations in the Organization (3)  J. Bailey
Contributions made by sociology, psychology and related behavioral sciences which assist in the resolution of interpersonal organizational problems. Pre: 301.
Daily 10:10-11:25

THIRD TERM

301 Management and Organizational Behavior (3)  D. Ellis
Analysis of the management process with particular emphasis on human resources.
Daily 8:45-10:00

341 Human Relations in the Organization (3)  N.L. Kelley
Contributions made by sociology, psychology and related behavioral sciences which assist in the resolution of interpersonal organizational problems. Pre: 301.
Daily 8:45-10:00

345 Business Policy (3)  N.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 7:20-8:35

Marketing (Mkt)

FIRST TERM

300 Principles of Marketing (3)  F. Schuhmann
Fundamental concepts and problems of marketing within present economic, legal and social environments; consumer analysis, func-
third term, manufacturing and marketing courses.
Daily 7:20-8:35

THIRD TERM
300 Principles of Marketing (3) D. Ellis
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 10:10-11:25

321 Marketing Information Analysis (3) F. Schuhmann
Research aids to marketing management; nature of the research process; planning research including problems of sampling and measurement; experimental and nonexperimental methods and techniques; analysis of data. Pre: BAS 302 or consent of instructor.
Daily 10:10-11:25

Personnel and Industrial Relations (PIR)

FIRST TERM
200 Career Placement (1) H. R. McArdle
Preparation for effective career placement; personal inventory; selecting field of interest, job market, preparation of resumes, employment interviews, placement, interviewing, transfer, promotion, appraisal, separation, health services, grievance handling, suggestion systems, communications, discipline and safety.
Daily 8:45-10:00

351 Personnel Administration (3) J. Bailey
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 and safety.
Daily 8:45-10:00

THIRD TERM
353 Advanced Personnel Administration (3) M. Hopkins
Selected topics with emphasis upon trends and recent issues, job evaluation, incentive systems, salary administration, executive compensation, profit sharing, benefit programs, retirement plans.
Pre: 351.
Daily 2:35-3:50

361 Labor Problems and Trade Unionism (3) E. Pendleton
Problems and economics of labor; history, structure, government, activities of trade unions; social and labor legislation.
Daily 1:10-2:25

363 Collective Bargaining and Dispute Settlement (3) E. Pendleton
Principles and concepts of collective bargaining; methods of settling disputes over rights and interests. Pre: 361.
Daily 11:35-12:50

Real Estate (RE)

FIRST TERM
300 Principles of Real Estate and Urban Land Economics (3) E. Laitila
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 10:10-11:25

310 Real Estate Law (3) E. Laitila
Application of property law to real estate business. Pre: 300.
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) D. Bell
Application of business principles to real property resources: finance and investment, legal environment, concepts of value.
June 4-July 27
MW 4:30-7:00 p.m.

THIRD TERM
300 Principles of Real Estate and Urban Land Economics (3) B. Hass
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 10:10-11:25

Transportation (Trans)

FIRST TERM
352 Passenger Transportation (3) E. Johnston
Analysis of models of passenger transportation, including rates and services in urban, local, intrastate, interstate and international operation, with particular emphasis on Pacific areas. Impact on areas served. Regulations of carrier operation and passenger travel. Pre: BEc 341 or equivalent.
Daily 10:10-11:25

Travel Industry Management (TIM)

FIRST TERM
100 Internship (0) R. R. Hill
200 hours of paid employment in hotel or tourist industry for each course. Employment obtained by student with help and approval of School. (TIM majors only—with consent of department)
Hrs. arr.

200 Internship (0) R. R. Hill
200 hours of paid employment in hotel or tourist industry for each course. Employment obtained by student with help and approval of School. (TIM majors only—with consent of department)
Hrs. arr.

300 Internship (1) R. R. Hill
200 hours of paid employment in hotel or tourist industry for each course. Employment obtained by student with help and approval of School. (TIM majors only—with consent of department)
Hrs. arr.

400 Internship (1) R. R. Hill
200 hours of paid employment in hotel or tourist industry for each course. Employment obtained by student with help and approval of School. (TIM majors only—with consent of department)
Hrs. arr.

101 Introduction to Travel Industry Management (3) C. J. Metelka
General principles of hotel management and tourism, particularly from standpoint of close link between the two and rapid developments taking place in these fields. Lectures by leaders of hotel and travel industries.
Daily 8:45-10:00
CHEMISTRY (Chem)

FIRST TERM
114 General Chemistry (3) J.R. Cox
Continuation of Fundamentals. Pre: 113. (Continuation of
113)
Daily 8:45-1:00
16 General Chemistry Laboratory (1) F. Schmitz
Experiments illustrating experimental chemistry. Pre: 115. credit or registration in 114.
Laboratory TTh 1:00-5:00
133 Elementary Quantitative Analysis (2) R.R. Hill
Gravimetric and volumetric analysis. Pre: 114-116 or
117, 118. 119, 118.
Laboratory (1) Daily 8:00-11:30 (2) Daily 1:30-5:00
243 Organic Chemistry (3) R.R. Hill
Carbon compounds. Topics include molecular structure, stereochemistry, fundamental resonance, reactions and methods
preparation of principal classes of organic compounds. Pre: 114, 116 or 117. 118.
Daily 8:45-10:00
245 Organic Chemistry Laboratory (1) R.R. Hill
Laboratory MWF 1:00-5:00
399 Directed Research (v) Staff
Pre: consent of department chairman.
Hrs. arr.
799 Directed Research (v) Staff
Pre: consent of department chairman.
Hrs. arr.

SECOND TERM
100 Chemistry and Man (3) L. Schaleger
Non-mathematical introduction to chemistry. Basic concepts and
their relationship to the modern world. Not open to those with
previous college chemistry.
Daily 10:10-11:25
101 Chemistry and Man Laboratory (1) L. Schaleger
Experiments in everyday chemistry. Pre: credit or registration in
100.
Laboratory TTh 1:00-5:00
399 Directed Research (v) Staff
Pre: consent of department chairman.
Hrs. arr.
799 Directed Research (v) Staff
Pre: consent of department chairman.
Hrs. arr.

THIRD TERM
244 Organic Chemistry (3) F. Schmitz
Continuation of Chem 243.
Daily 8:45-10:00
| Course Code | Course Title                                      | Instructor(s)                  | Description                                                                                                                                                                                                 | Days  | Time       |
|-------------|--------------------------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------)------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| 246         | Organic Chemistry Laboratory (1)                 | F. Schmitz                     | Continuation of Chem 245. Pre: 245, credit or registration in 244. Laboratory MWF 1:00-5:00                                                                                                                      |       |            |
| 399         | Directed Research (v)                            | Staff                          | Pre: consent of department chairman. Hrs. arr.                                                                                                                                                              |       |            |
| 799         | Directed Research (v)                            | Staff                          | Pre: consent of department chairman. Hrs. arr.                                                                                                                                                              |       |            |
| 384         | Communication Among Cultures (3)                 | L.S. Harms                     | Survey of social-psychological and cultural variables which affect communication among peoples of different cultures. The use of this knowledge in understanding and facilitating cultural and social change. Daily 10:10-11:25 |       |            |
| 145         | Interpersonal Communication (3)                  | E. Warner, E. Kunimoto         | (2 sections) Introduction to communication strategies and outcomes through participation in interpersonal communication activities. Daily (1) 7:20-8:35 (Warner) (2) 8:45-10:00 (Kunimoto) |       |            |
| 304         | Communication Characteristics of the Source (3)  | P. Heinberg                    | Analysis of two-person communication systems by designing and evaluating communication games. Pre: 200. Daily 8:45-10:00                                                                                     |       |            |
| 145         | Interpersonal Communication (3)                  | D. Kishimoto, A. Costa, D. Weller | (3 sections) Introduction to communication strategies and outcomes through participation in interpersonal communication activities. Daily (1) 7:20-8:35 (Costa) (2) 8:45-10:00 (Kishimoto) (3) 11:35-12:50 (Weller) |       |            |
| 221         | Communication Contexts for Creative Learning (3) | D. Kishimoto                   | 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 10:10-11:25 |       |            |
| 602         | Methods of Scientific Research in Communication (3) | T. Welden                     | Study of methods of scientific research. Development of competence in fundamental skills necessary for completion of a thesis. TTh 1:10-4:00                                                                 |       |            |
| 672         | Communication in Control of Behavior (3)         | P. Heinberg                    | Research and research techniques in the use of communication to shape psychomotor skills and relevant attitudes. TTh 1:10-4:00                                                                                       |       |            |
| 784         | Seminar in Intercultural Communication (3)       | L.S. Harms                     | Focus on the major variables of communication in an intercultural context. Linguistic and nonverbal factors. Possibilities for training in intercultural, face-to-face communication roles. MW 1:10-4:00 |       |            |
| 800         | Thesis (v)                                       | Staff                          | Hrs. arr.                                                                                                                                                                                                 |       |            |
| 681         | Speech Communication Process Analysis (3)        | T. Welden                     | Description of problems involved in analyzing various aspects of the speech-communication process. Theoretical frameworks of analysis. TTh 1:10-4:00                                                                 |       |            |
| 696         | Communication and Family Planning (3)            | F. Rosario                     | The role of communication in promoting population control and family planning. Analysis of relevant research and theory. MW 1:10-4:00                                                                       |       |            |
| 800         | Thesis (v)                                       | Staff                          | Hrs. arr.                                                                                                                                                                                                 |       |            |
### DRAMA AND THEATRE (Drama)

**FIRST TERM**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>160</td>
<td>Introduction to Drama and Theatre (3)</td>
<td>W. D. Carroll</td>
</tr>
<tr>
<td>221</td>
<td>Beginning Acting (3)</td>
<td>G. Cannon</td>
</tr>
<tr>
<td>281</td>
<td>Beginning Modern Dance (3)</td>
<td>C. Wolz</td>
</tr>
<tr>
<td>283</td>
<td>Beginning Ballet (3)</td>
<td>Y. Sasa</td>
</tr>
<tr>
<td>299</td>
<td>Theatre Practice (3)</td>
<td>M. Boyd</td>
</tr>
<tr>
<td>372</td>
<td>Drama in Performance (3)</td>
<td>W. D. Carroll</td>
</tr>
<tr>
<td>381</td>
<td>Intermediate Modern Dance (3)</td>
<td>E. Winter</td>
</tr>
<tr>
<td>383</td>
<td>Intermediate Ballet (3)</td>
<td>W. Ross</td>
</tr>
</tbody>
</table>

**SECOND TERM**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>221</td>
<td>Beginning Acting (3)</td>
<td>G. Cannon</td>
</tr>
<tr>
<td>481</td>
<td>Advanced Modern Dance (3)</td>
<td>E. Winter</td>
</tr>
<tr>
<td>483</td>
<td>Advanced Ballet (3)</td>
<td>W. Ross</td>
</tr>
</tbody>
</table>

**EAST ASIAN LANGUAGES**

**General (EALa)**

**FIRST TERM**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>400(1)</td>
<td>Directed Fourth-Level Study—Chinese (6)</td>
<td>Staff</td>
</tr>
<tr>
<td>400(3)</td>
<td>Directed Fourth Level Study—Korean (6)</td>
<td>Staff</td>
</tr>
</tbody>
</table>

**Chinese (Chnse)**

**FIRST TERM**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>101</td>
<td>Elementary Chinese (3)</td>
<td>Staff</td>
</tr>
<tr>
<td></td>
<td>(2 sections)</td>
<td></td>
</tr>
<tr>
<td>103</td>
<td>Accelerated Elementary Chinese (6)</td>
<td>Staff</td>
</tr>
<tr>
<td>105</td>
<td>Special Elementary Chinese (3)</td>
<td>Staff</td>
</tr>
<tr>
<td>201</td>
<td>Intermediate Chinese (4)</td>
<td>Staff</td>
</tr>
<tr>
<td>303</td>
<td>Accelerated Third-Level Chinese (8)</td>
<td>Staff</td>
</tr>
</tbody>
</table>

---

**Representative plays studied as illustrative of changing forms in the theatre and dramatic literature.**

**Individual exercises and group rehearsals with emphasis on voice, movement, relaxation.**

**Introduction to basic technical skills and creative processes.**

**Introduction to the vocabulary of movement of classical ballet.**

**Supervised work in one or two areas: stagecraft, lighting, costuming, make-up. Term paper required. May be repeated.**

**Study of plays as scripts for performance.**

**Development of flexibility, control, rhythm, and expressiveness. Pre: 281-282 or consent of instructor.**

**Training in standard ballet combinations. Pre: 283-284 or consent of instructor.**

**Emphasis upon performance of complete dances. Pre: 381-382 or consent of instructor. May be repeated.**

**Emphasis upon performance of complete dances. Pre: 383-384 or consent of instructor. May be repeated.**

**Continuation of 300. May be repeated for credit. Pre: consent of department chairman. June 4-August 3**

**Continuation of 300. May be repeated for credit. Pre: consent of department chairman. June 4-August 3**

**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.**

**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 101-102 covered.**

**Continuation of 101-102. Language lab practice required daily.**

**In one session content of 301-302 covered. Pre: consent of instructor.**
**Japanese (Jpnse)**

**FIRST TERM**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Staff</th>
<th>Description</th>
</tr>
</thead>
</table>

**THIRD TERM**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Staff</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>102 Elementary Chinese (3)</td>
<td>Staff</td>
<td>Development of listening, speaking, reading and writing. Structural points introduced inductively. Daily 9:10-11:25 plus laboratory</td>
</tr>
<tr>
<td>202 Intermediate Chinese (4)</td>
<td>Staff</td>
<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>
</tr>
<tr>
<td>204 Accelerated Intermediate Chinese (8)</td>
<td>Staff</td>
<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>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Staff</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>302 Third-Level Chinese (4)</td>
<td>Staff</td>
<td>Continuation of 201; equivalent of second semester's work in academic year. Language lab practice required daily. Daily 8:45-10:10 plus laboratory</td>
</tr>
</tbody>
</table>

**Korean (Kor)**

**FIRST TERM**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Staff</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>103 Accelerated Elementary Korean (6)</td>
<td>Staff</td>
<td>Accelerated course equivalent to Elementary Korean in academic year. Includes all four skills: listening, speaking, reading, and writing. Language lab practice required daily. Pre: consent of instructor. June 4-August 3 Daily 7:45-11:00 plus laboratory</td>
</tr>
<tr>
<td>204 Accelerated Intermediate Korean (8)</td>
<td>Staff</td>
<td>Accelerated course equivalent to Intermediate Korean in academic year. Includes all four skills: listening, speaking, reading, and writing. Language lab practice required daily. Pre: 103 or equivalent and consent of instructor. June 4-August 3 Daily 7:45-11:00 plus laboratory</td>
</tr>
<tr>
<td>303 Accelerated Third-Level Korean (8)</td>
<td>Staff</td>
<td>In one session content of 301-302 covered. Language lab practice required daily. Consent of instructor. June 4-August 3 Daily 7:45-11:00 plus laboratory</td>
</tr>
<tr>
<td>404 Accelerated Fourth-Level Korean (8)</td>
<td>Staff</td>
<td>In one session content of 401-402 covered. Language lab practice required daily. Consent of instructor. June 4-August 3 Daily 7:45-11:00 plus laboratory</td>
</tr>
</tbody>
</table>
## EAST ASIAN LITERATURE

### Chinese (ChLit)

**FIRST TERM**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>262</td>
<td>Chinese Literature in Translation — Modern</td>
<td>J. Lau</td>
<td>3</td>
<td>Daily 2:35-3:50</td>
</tr>
</tbody>
</table>

### Japanese (JaLit)

**FIRST TERM**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>262</td>
<td>Japanese Literature in Translation — Modern</td>
<td>V. Viglielmo</td>
<td>3</td>
<td>Daily 11:35-12:50</td>
</tr>
</tbody>
</table>

**SECOND TERM**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Hours</th>
</tr>
</thead>
</table>

## ECONOMICS (Econ)

### FIRST TERM

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>120</td>
<td>Introduction to Economics</td>
<td>F.C. Hung</td>
<td>3</td>
<td>Daily 8:45-10:00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>150</td>
<td>Principles of Economics</td>
<td>H.L. Miller</td>
<td>3</td>
<td>Daily 8:45-10:00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>151</td>
<td>Principles of Economics</td>
<td>J. Haines</td>
<td>3</td>
<td>Daily 10:10-11:25</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>300</td>
<td>Intermediate Economic Theory: Macroeconomic Analysis</td>
<td>J. Hight</td>
<td>3</td>
<td>Daily 11:35-12:50</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>321</td>
<td>Introduction to Statistics</td>
<td>R. Rice</td>
<td>3</td>
<td>Daily 10:10-11:25</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>420</td>
<td>Mathematical Economics</td>
<td>J. Moncur</td>
<td>3</td>
<td>Daily 1:10-2:25</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Hours</th>
</tr>
</thead>
</table>

Theory of international trade and welfare; international specialization and exchange; general equilibrium; tariffs, quotas, common markets, including welfare implications. Pre: 301 or 360.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>699</td>
<td>Directed Research</td>
<td>Staff</td>
<td>v</td>
<td>Pre: consent of department chairman.</td>
</tr>
</tbody>
</table>

### SECOND TERM

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>262</td>
<td>Japanese Literature in Translation — Modern</td>
<td>Y. Yeh</td>
<td>3</td>
<td>Daily 11:35-12:50</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>300</td>
<td>Intermediate Economic Theory: Price Theory</td>
<td>J. Mak</td>
<td>3</td>
<td>Daily 11:35-12:50</td>
</tr>
</tbody>
</table>

Price determination and resource allocation under competition, monopoly, oligopoly, monopolistic competition. Theories of demand, cost, partial, general equilibrium. Pre: 151.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>340</td>
<td>Money and Banking</td>
<td>R. Ebel</td>
<td>3</td>
<td>Daily 8:45-10:00</td>
</tr>
</tbody>
</table>

Nature and role of money; development of national and international monetary standards; role of commercial banking and financial intermediaries; development and function of central banking. Pre: 150.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>425</td>
<td>Econometrics</td>
<td>M. Ghali</td>
<td>3</td>
<td>Daily 8:45-10:00</td>
</tr>
</tbody>
</table>

Review of matrix algebra; examination of bi-variate and multivariate regression analysis, correlation theory, properties of least squares and maximum likelihood estimates under different assumptions; examination of estimation problems likely to be encountered. Pre: 424.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>461</td>
<td>International Monetary Economics</td>
<td>Y. Yeh</td>
<td>3</td>
<td>Daily 10:10-11:25</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>699</td>
<td>Directed Research</td>
<td>Staff</td>
<td>v</td>
<td>Pre: consent of department chairman.</td>
</tr>
</tbody>
</table>

### THIRD TERM

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>151</td>
<td>Principles of Economics</td>
<td>Y. Lim</td>
<td>3</td>
<td>Daily 8:45-10:00</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>301</td>
<td>Intermediate Economic Theory: Price Theory</td>
<td>J. Mak</td>
<td>3</td>
<td>Daily 8:45-10:00</td>
</tr>
</tbody>
</table>

Price determination and resource allocation under competition, monopoly, oligopoly, monopolistic competition. Theories of demand, cost, partial, general equilibrium. Pre: 151.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>340</td>
<td>Money and Banking</td>
<td>R. Ebel</td>
<td>3</td>
<td>Daily 8:45-10:00</td>
</tr>
</tbody>
</table>

Nature and role of money; development of national and international monetary standards; role of commercial banking and financial intermediaries; development and function of central banking. Pre: 150.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>425</td>
<td>Econometrics</td>
<td>M. Ghali</td>
<td>3</td>
<td>Daily 8:45-10:00</td>
</tr>
</tbody>
</table>

Review of matrix algebra; examination of bi-variate and multivariate regression analysis, correlation theory, properties of least squares and maximum likelihood estimates under different assumptions; examination of estimation problems likely to be encountered. Pre: 424.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>461</td>
<td>International Monetary Economics</td>
<td>Y. Yeh</td>
<td>3</td>
<td>Daily 10:10-11:25</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>699</td>
<td>Directed Research</td>
<td>Staff</td>
<td>v</td>
<td>Pre: consent of department chairman.</td>
</tr>
</tbody>
</table>

### Research Seminar

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>730</td>
<td>Research Seminar</td>
<td>A. Marty</td>
<td>3</td>
<td>Pre: consent of department chairman.</td>
</tr>
</tbody>
</table>

Review of recent literature and intensive discussion of selected issues emphasizing research approaches in one of these fields: (a) urban and regional economics. (b) public finance. (c) money and finance. (d) human resource economics. Pre: consent of instructor.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>780</td>
<td>Selected Topics in Economic Analysis</td>
<td>A. Marty</td>
<td>3</td>
<td>Pre: 600, 601 or consent of instructor.</td>
</tr>
</tbody>
</table>

Special topics in economic analysis and in applied economics not covered in other course. Pre: 600, 601 or consent of instructor.

TTh 8:45-11:25
**EDUCATION**

**Curriculum and Instruction (Ed CI)**

**FIRST TERM**

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>312(5)</td>
<td>Foundations in Curriculum and Instruction:</td>
<td>R. Kiehm</td>
<td>3</td>
<td>Daily 11:35-12:50</td>
</tr>
<tr>
<td></td>
<td>Elementary Education</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Study of objectives and organization of school's</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>curriculum; discussion of principles and</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>practices; roles of teacher in school.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>312(10)</td>
<td>Foundations in Curriculum and Instruction:</td>
<td>F. Brown</td>
<td>10</td>
<td>Daily 8:45-10:00</td>
</tr>
<tr>
<td></td>
<td>Secondary Education</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Study of objectives and organization of school's</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>curriculum; discussion of principles and</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>practices; roles of teacher in school.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>319</td>
<td>Children's Literature</td>
<td>Y. Uyehara</td>
<td>3</td>
<td>Daily 7:20-8:35</td>
</tr>
<tr>
<td></td>
<td>(2 sections)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Acquaintance with wide range of children's books;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>criteria for judging literature on basis of</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>needs and interests. Pre: 312 or concurrent</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>registration.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>320</td>
<td>Language Arts, Elementary</td>
<td>R. Kiehm, N. Izutsu</td>
<td>3</td>
<td>Daily 8:45-10:00</td>
</tr>
<tr>
<td></td>
<td>(2 sections)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Modern approach to teaching of language arts—</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>reading, oral, written expression. Pre: 312 or</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>concurrent registration.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>321</td>
<td>Reading, Elementary</td>
<td>F. Braun</td>
<td>3</td>
<td>Daily 7:20-8:35</td>
</tr>
<tr>
<td></td>
<td>(2 sections)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Survey of reading process: development of</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>reading readiness, word recognition, comprehension,</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>reading rate, vocabulary, reading interests,</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>reading in content areas. Selection and use of</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>reading materials, evaluation and appraisal of</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>reading progress. Pre: 312 or concurrent</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>registration.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>322</td>
<td>Social Studies, Elementary</td>
<td>S. Jackstadt</td>
<td>3</td>
<td>Daily 8:45-10:00</td>
</tr>
<tr>
<td></td>
<td>(2 sections)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Major purposes: to point out special</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>contributions of social studies to elementary</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>curriculum; to aid students in developing sound</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>instructional programs and procedures in</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>elementary studies. Pre: 312 or concurrent</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>registration.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>323</td>
<td>Science, Elementary</td>
<td>Staff</td>
<td>3</td>
<td>Daily 8:45-10:00</td>
</tr>
<tr>
<td></td>
<td>(2 sections)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Science education in elementary school; methods</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>and materials; laboratory activities selected</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>from new science curricula. Pre: 312 or</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>concurrent registration.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(1) 8:30-10:00 (M), 8:00-10:00 (TTh)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(2) 8:30-10:00 (M), 8:00-10:00 (WF)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1 hr/wk independent study lab (Hrs. arr.)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1 hr/wk independent study lab (Hrs. arr.)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>324</td>
<td>Mathematics, Elementary</td>
<td>A. Picard</td>
<td>3</td>
<td>Daily 8:45-10:00</td>
</tr>
<tr>
<td></td>
<td>(2 sections)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Purposes, procedures, scope, organization in</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>developing underlying concepts of elementary</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>mathematics; analysis of new elementary</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>mathematics programs; techniques, relative</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>merits, roles of inductive and deductive</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>approaches to new ideas. Pre: 312 or concurrent</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>registration; Math 111.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SECOND TERM**

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>326</td>
<td>Creative Art, Elementary</td>
<td>M.O. Brazelton, A. Pickens</td>
<td>3</td>
<td>Daily 7:20-9:20</td>
</tr>
<tr>
<td></td>
<td>(3 sections)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Understanding scope and importance of art in</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>elementary school curriculum, creative use of</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>art media through laboratory experiences. Pre:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>312 or concurrent registration.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>399</td>
<td>Directed Reading</td>
<td>M. Reddin</td>
<td>3</td>
<td>Daily 1:30-3:30</td>
</tr>
<tr>
<td></td>
<td>Individual reading or research. Limited to</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>senior majors with 2.7 grade-point ratio, or 3.0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>grade-point ratio in education. Pre: consent of</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>instructor and department chairman. Hrs. arr.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>540</td>
<td>Practicum in Curriculum Development:</td>
<td>M. Adachi, D. Ching,</td>
<td>3</td>
<td>Daily 1:00-5:00</td>
</tr>
<tr>
<td></td>
<td>General Curriculum and Teaching Problems</td>
<td>S. Fujita, R. Deever</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(IOTA) (3)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Designed for teachers-in-service for</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>improvement of instruction through study of</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>definitions related to teaching competence,</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>using criterion-referenced measurements, training</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>in observation skills, and study of related</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>research in teacher development and teaching</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>competence. Participants will be required to</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>keep the mornings of the 6th, 9th, and 11th</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>days free for classroom observations. Pre:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>consent of instructor.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>June 18-July 3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>41</td>
<td>Education of the Slow Learners</td>
<td>M. Gorelick</td>
<td>3</td>
<td>Daily 7:20-8:35</td>
</tr>
<tr>
<td></td>
<td>Characteristics and educational provisions for</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>slow learning children. (Student must enroll</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>in both 441 and 442.)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**EDUCATION**

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

- **320 Language Arts, Elementary** (Staff)
- **321 Reading, Elementary** (F. Braun)
- **322 Social Studies, Elementary** (S. Jackstadt)
- **323 Science, Elementary** (Staff)
- **324 Mathematics, Elementary** (A. Picard)
- **326 Creative Art, Elementary** (M.O. Brazelton, A. Pickens)
- **399 Directed Reading** (M. Reddin)
- **540 Practicum in Curriculum Development** (M. Adachi, D. Ching, S. Fujita, R. Deever)
- **41 Education of the Slow Learners** (M. Gorelick)
442 Curriculum Development and Instruction M. Gorelick
for the Slow Learners (3)
Development of curricula and use of instructional materials for
Teaching slow learners in grades K-12. (Student must enroll in both
442 and 441.)
Daily 10:10-11:25

498 Poetry in the Elementary School Curriculum (3) Staff
A course designed to help the elementary classroom teacher
develop background in children's poets and their poetry and
methods of selecting and using this genre in the classroom.
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(3) Practicum in Curriculum Development: D. Heathcote
English Language Arts (3)
Designed for teachers-in-service to upgrade subject matter and
develop new teaching methods and materials in creative dramatics.
July 2-July 27
Daily 10:30-1:00

540(9) Practicum in Curriculum Development: Staff
Science (3)
Designed for teachers-in-service to upgrade subject matter and
develop new teaching methods and materials for instruction in
Science. Development of curriculum materials and methods by
participating teachers. Pre: related undergraduate methods
course; teaching experience. May be repeated for credit.
MTTh: 10:10-12:00
1 hr/wk independent study lab (Hrs. arr.)

595 Aerospace Education Workshop (4) D. Aten
Introduction to aerospace science and technology and social,
economic, and political implications. Designed for all K-12 teachers,
administrators, and curriculum specialists. Specialized background
in science not required. Participation by national and local
leaders in aerospace and related fields. Laboratory experiences
include demonstrations, field trips, and development of curriculum
materials. Descriptive brochure sent on request. Fee for laboratory
and materials. Advanced registration required. Deadline is May 15,
MTW 8:50-11:40, Th 8:50-3:20 (Kaimuki High School)

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) H. Tanyzer
(2 sections)
Developmental and psychological aspects of the reading process,
studying current trends, research, techniques of evaluation. Pre:
321.
Daily (1) 10:10-11:25
(2) 1:10-2:25

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

622 Elementary School Curriculum (3) M. Lang
Theoretical foundations of curriculum development; curriculum
research; critical examination of current practices in curriculum development for elementary school. Pre: 312 or equivalent; teach-
ing experience.
Daily 1:30-2:45

623 Elementary Science Curriculum (3) A. Carr
Application of recent developments in science, curriculum construc-
tion, and learning theory to elementary school. Science content
and methodology stressed. Pre: 323 and teaching experience.
MWF 10:10-12:00
1 hr. wk independent study lab (Hrs. arr.)

624 Elementary Mathematics Curriculum (3) J. Marks
Analysis of research relating to teaching and learning arithmetic,
apply research findings to classroom procedures. Appraisal of re-
cent curricular trends and critical examination of assumptions
underlying proposed changes. Pre: 324 and teaching experience.
Daily 11:35-12:50

626 Art in Elementary Education (3) A. Pickens
(2 sections)
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 (1) 8:45-10:25
(2) 11:35-1:15

635 Junior High School Curriculum (3) D. Noda
Programs for intermediate school; relationship of teachers, ad-
ministrators, parents; curriculum problems; evaluation. Pre: teaching
experience.
Daily 10:10-11:25

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

640(5) Seminar in Teaching Fields: D. McGinty
Home Economics (3)
Study in trends, research, and problems of implementation in
clothing and textiles. Pre: undergraduate special methods course
in home economics; consent of instructor.
Daily 8:00-12:00

646 Reading Difficulties (3) K. Yamamoto, F. Braun
(3 sections)
Causes, prevention, and correction. Evaluation and remedial prac-
tices useful to classroom teacher. Pre: course in teaching of reading.
Daily (1) 7:20-8:35 (Yamamoto) (3) 1:10-2:25 (Braun)
(2) 10:10-11:25 (Yamamoto)

657 Community College (3) R. Potter
Development of two-year comprehensive community college in
U.S.; its emerging role in higher education. Functions, organiza-
tion, curricular structure, achievement in relation to objectives,
and crucial issues examined. Pre: consent of instructor. (Identical
with Ed EF 657)
Daily 11:35-12:50

699 Directed Reading and/or Research (v)
Individual reading and/or research. Pre: consent of instructor and
department chairman.
Hrs. arr.
722 Seminar in Elementary Curriculum Foundation (3) E. Jenkins
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 (1) 10:10-11:25
(2) 1:10- 2:25

733 Seminar in Curriculum, Secondary (3) F. Brown, D. Noda, J. Baker
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 (Noda)
(2) 7:20- 8:35 (Baker)
(Limited to students in EDPA Program)
(3) 1:10- 2:25 (Brown)

751 Community College Curriculum (3) Staff
Essential role of community college in a democratic society is examined. Techniques in identifying community needs; curriculum planning for academic and occupational education; evaluation of total program. Pre: teaching experience and consent of instructor. (Identical with Ed EA 751)
Daily 8:45-10:00

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

312(10) Foundations in Curriculum and Instruction: F. Brown Secondary Education (3)
Study of objectives and organization of school’s curriculum; discussion of principles and practices; role of teacher in school.
Daily 7:20-8:35

329 Creative Expression in Elementary Education (3) G. Boylan, M. Green
Development of communication skills through creative dramatics, rhythmic movement, related arts. Pre: 312 or concurrent registration or consent of instructor. July 30-August 17
Daily 7:30-12:00

332 Social Studies, Secondary (3) M. Brown
Scope and organization of social studies in secondary school; development of social knowledge and understanding. Pre: 312 or concurrent registration.
Daily 8:45-10:00

540(9) Practicum in Curriculum Development: Staff Science (3)
Designed for teachers-in-service to upgrade subject matter and develop new teaching methods and materials for instruction in science. Development of curriculum materials and methods by participating teachers. Pre: related undergraduate methods course; teaching experience. May be repeated for credit.
August 6-August 24
Daily 8:30-11:30

Industrial Education (Ed IE)

FIRST TERM

300 Industrial Crafts—Jewelry and Lapidary Processes (2) M. Poyzer
Design, processes and materials of jewelry making; lapidary processes and materials for polishing semi-precious gemstones; black coral polishing and mounting.
Daily (1) 7:45- 8:35
(2) 9:10-10:00

397 The World of Manufacturing (3) Staff
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. June 25-July 13
Daily 8:00-3:00

401 Problems in Industrial Education: L.A. Hagmann Driver Education (3)
Driver education and traffic safety methods, teaching aids, devices and curriculum in driver education. Beginning course.
Daily 8:45-10:00

SECOND TERM

402 Problems in Industrial Education: L.A. Hagmann Driver Education (3)
Special problems, reading and basic research in driver and safety education. Advanced course. Pre: 401 or concurrent registration. Daily 1:10-2:25

THIRD TERM

398 The World of Construction (3) Staff
A critical study of the IACP materials. A course in construction technology for industrial education instructors of the junior and senior high school programs. July 16-August 3
Daily 8:00-3:00

324 Mathematics, Elementary (3) M. Pang
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 7:20-8:35
EDUCATION

Educational Administration (Ed EA)

FIRST TERM

699 Directed Reading and/or Research (v) R. Dunwell
Pre: consent of instructor and department chairman.

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 7:20-8:35

605 Collective Negotiation in Education (3) J. Thompson
Principles and practices of collective negotiations as they apply to public and private education. Special emphasis is placed on negotiation practices under the Hawaii Public Employee Collective Bargaining Act S.B. #1696-70, CD-1. Daily 11:35-12:50

610 School-Community Relations (3) C. Araki
Application of principles, techniques, policies, organization of school-community information program. Daily 7:20-8:35

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

630 School Law (3) J. Thompson
Functions, relationships, responsibilities of school districts and school personnel with interpretations of legal status as shown by constitutions, statutes, court decisions. Pre: consent of instructor. Daily 8:45-10:00

640 Systems Approach—Program Planning (3) S. Varney
Basic concepts and techniques in systems approach to educational management. Emphasizes preparation of program plans required at various organizational levels for PPBS. Daily 8:45-10:00

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 11:35-12:50

650 Human Factors in Organization (3) R. Dunwell
Analysis of the nature of organizations, human nature and needs, and their relationship to leadership, staffing, and staff development. The implications of group structure and human conflict, communications, and supervision and evaluation will be considered. Daily 10:10-11:25

670 School Supervision (3) C. Araki
Principles of supervision and development of supervisory programs. Daily 10:10-11:25

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

751 Community College Curriculum (3) F. Pesti
Essential role of community college in a democratic society is examined. Techniques in identifying community needs; curriculum planning for academic and occupational education; evaluation of total program. Pre: teaching experience and consent of instructor. (Identical with Ed CI 751) Daily 8:45-10:00

780 Advanced Seminar: Community College (3) F. Pesti
Advanced seminar on problems and issues in community college. May be repeated. Pre: departmental approval. Daily 11:35-12:50

Educational Communications (Ed EC)

FIRST TERM

599, its equivalent, or consent of department chairman is prerequisite to all 600 and 700 level courses; additional prerequisites as noted.

314 Audio-visual Techniques (2) B. Alloway
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 7:45-8:35

599 Workshop in Educational Media (1) D. Huddleston
(2 sections)
Concentrated study and practical experience in utilization of educational media through 8 hours of lecture-demonstrations and 8 laboratory hours for each 1-credit sequence. May be repeated through workshops covering different media up to maximum of 3 credits. Daily (1) 11:35-12:00 (2) 2:35- 3:00

620 Production of Instructional Materials (3) B. Alloway
Preparation of two- and three-dimensional instructional materials, charts, graphs, learning displays, television graphics, overhead transparencies, audio recordings, and use of Ektagraphic visual maker. Daily 10:10-11:25

625 Educational Still Photography (3) D. Huddleston
Theory and practice involved in planning and producing educational film strips, slides, prints. Emphasis on meeting curriculum goals through systematic development of strip film as learning material for presentations. Pre: basic knowledge of photography and consent of instructor. Daily 1:10-2:25

640 Programmed Learning (3) W. Wiley

SECOND TERM

599, its equivalent, or consent of department chairman is prerequisite to all 600 and 700 level courses; additional prerequisites as noted.

314 Audio-visual Techniques (2) D. Huddleston
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 7:45-8:35
599 Workshop in Educational Media (1) D. Huddleston
Concentrated study and practical experience in utilization of educational media through 8 hours of lecture-demonstrations and 8 laboratory hours for each 1-credit sequence. May be repeated through workshops covering different media up to maximum of 3 credits.
Daily 11:05-11:30

620 Production of Instructional Materials (3) B. Alloway
Preparation of two- and three-dimensional instructional materials, charts, graphs, learning displays, television graphics, overhead transparencies, audio recordings, and use of Ektographic visual maker.
Daily 11:35-12:50

THIRD TERM

404 Survey of Educational Communications Media (3) G. Kucera
Overview of research which supports selected media channels, survey of selected communication channels characteristics and development of understanding and practices related to media systems structures as applied to a chosen learning problem.
Daily 8:45-10:00

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) G. Bereday
Contemporary educational theory and practice as related to major historical, philosophical, and social factors in American culture.
Daily 11:35-12:50

409 Culturally and Economically Disadvantaged Pupil (3) M. Ezer
Survey of social and psychological factors related to the culturally and economically disadvantaged pupil and his education. Review of local resources and facilities to assist these pupils. (Identical with SpEd 409)
Daily 8:45-10:00

445 Educational Sociology (3) G. Bereday
Examination of development of theoretical and practical aspects of social structure and their relationship to education. Pre: 310 or 3 hrs. of sociology.
Daily 10:10-11:25

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 8:45-10:00

660 Philosophy of Education (3) S. Jaeckel
Philosophical considerations essential to theories of education. Pre: student teaching.
Daily 8:45-10:00

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

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, (2 sections)
R. Fruehling
Contemporary educational theory and practice as related to major historical, philosophical, and social factors in American culture.
Daily (1) 8:45-10:00 (Anderson)
(2) 10:10-11:25 (Fruehling)

409 Culturally and Economically Disadvantaged Pupil (3) M. Ezer
Survey of social and psychological factors related to the culturally and economically disadvantaged pupil and his education. Review of local resources and facilities to assist these pupils. (Identical with SpEd 409)
Daily 7:20-8:35

480 Anthropological Applications (3) R. Fruehling
Education as means of transmitting culture. Socialization in non-literate societies; universal aspects of process. Cross-cultural education. (Identical with Anth 480)
Daily 8:45-10:00

490 Zen and Education (3) V. Kobayashi
Examination of philosophy and methods by which Zen masters, 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 10:10-11:25

651 History of American Education (3) S. Jaeckel
Introduction to history of American educational thought from 17th century to present.
Daily 11:35-12:15

657 Community College (3) R. Potter
Development of two-year comprehensive community college in U.S.; its emerging role in higher education. Functions, organization, curricular structure, achievement in relation to objectives, crucial issues. Pre: consent of instructor. (Identical with Ed CI 657)
Daily 11:35-12:50

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) G. Frazier
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

669 Foundations of Comparative Education (3) V. Kobayashi
Introduction to the comparative analysis of educational processes in different societies.
Daily 10:10-11:25

671 Comparative Education: Asia (3) R. Anderson
Educational institutions, practices and problems in Asian countries, viewed against backdrop of their traditional cultures.
Daily 10:10-11:25
EDUCATION

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

763(1) Seminar in Educational Theory: Educational Issues (2)
Focus on educational issues. Pre: 660 and consent of instructor.
May be repeated.
Daily 10:10-11:00

THIRD 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)                 E. Beauchamp, N. Joseph
Contemporary educational theory and practice as related to major
historical, philosophical, and social factors in American culture.
Daily (1) 7:20-8:35 (Joseph)
(2) 10:10-11:25 (Beauchamp)

651 History of American Education (3)                    E. Beauchamp
Introduction to history of American educational thought from 17th
century to present.
Daily 11:35-12:25

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 10:10-11:25

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

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)                         O. Hansen
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)                            T. Chang
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)                           F. Bail
Use of descriptive statistics in analyzing test scores; applications of
linear correlation and regression; introduction to an understanding of
Daily 8:45-10:00

601 Guidance in the School (3)                            W. Nunokawa
Basic principles of guidance; consideration of techniques, organi-
mation, materials, resources.
Daily 8:45-10:00

605 Problems of School Adjustment (3)                     W. Nunokawa
Principles of behavior affecting human relationships in school,
with emphasis upon application to actual situations.
Daily 10:10-11:25

640 Programmed Learning (3)                             W. Wiley
Learning theory, experimental procedures and related systems,
readings in study and development of programmed learning. Evalua-
tion, selection and utilization of programs in classroom. Pre: 672 or
consent of instructor. (Identical with Ed EC 640)
Daily 8:45-10:00

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)                         E.A. Nicol, H. Ayabe
(2 sections)
Principles of learning and individual differences; relationships of
these factors to classroom experience. Pre: Psy 100.
Daily (1) 7:20-8:35 (Nicol)
(2) 10:10-11:25 (Ayabe)

416 Tests and Measurements (3)                            E.A. Nicol, F. Payne
(2 sections)
Theory and techniques of measurement and evaluation in education,
including supervised experience in instrument development and
analysis.
Daily (1) 8:45-10:00 (Nicol)
(2) 10:10-11:25 (Payne)

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
Daily 10:10-11:25

601 Guidance in the School (3)                            D. Collins
Basic principles of guidance; consideration of techniques, organi-
mation, materials, resources.
Daily 7:20-8:35

602 Elementary School Guidance (3)                      D. Collins
Principles, techniques, organization of guidance services in elemen-
tary school.
Daily 10:10-11:25

604 Occupational Information in Guidance (3)              N. Priggie
Occupational research and survey techniques; trends, sources of
materials, use of occupational information in vocational guidance.
Pre: 601.
Daily 8:45-10:00

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)    Staff
Philosophy, history, organization, and administration of student
personnel services at college and university levels including admis-
sions, housing, student activities, financial aids, placement, coun-
seling, health services.
Daily 7:20-8:35

609 Tests and Inventories in Guidance (3)                 N. Priggie
Tests and inventories for measuring aptitudes, interests, modes of
behavior. Pre: 416, 601.
Daily 11:35-12:50

EDUCATIONAL PSYCHOLOGY (Ed EP)

640 Programmed Learning (3)                             W. Wiley
Learning theory, experimental procedures and related systems,
readings in study and development of programmed learning. Evalua-
tion, selection and utilization of programs in classroom. Pre: 672 or
consent of instructor. (Identical with Ed EC 640)
Daily 8:45-10:00

605 Problems of School Adjustment (3)                     W. Nunokawa
Principles of behavior affecting human relationships in school,
with emphasis upon application to actual situations.
Daily 10:10-11:25

640 Programmed Learning (3)                             W. Wiley
Learning theory, experimental procedures and related systems,
readings in study and development of programmed learning. Evalua-
tion, selection and utilization of programs in classroom. Pre: 672 or
consent of instructor. (Identical with Ed EC 640)
Daily 8:45-10:00

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)                         E.A. Nicol, H. Ayabe
(2 sections)
Principles of learning and individual differences; relationships of
these factors to classroom experience. Pre: Psy 100.
Daily (1) 7:20-8:35 (Nicol)
(2) 10:10-11:25 (Ayabe)

416 Tests and Measurements (3)                            E.A. Nicol, F. Payne
(2 sections)
Theory and techniques of measurement and evaluation in education,
including supervised experience in instrument development and
analysis.
Daily (1) 8:45-10:00 (Nicol)
(2) 10:10-11:25 (Payne)

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
Daily 10:10-11:25

601 Guidance in the School (3)                            D. Collins
Basic principles of guidance; consideration of techniques, organi-
mation, materials, resources.
Daily 7:20-8:35

602 Elementary School Guidance (3)                      D. Collins
Principles, techniques, organization of guidance services in elemen-
tary school.
Daily 10:10-11:25

604 Occupational Information in Guidance (3)              N. Priggie
Occupational research and survey techniques; trends, sources of
materials, use of occupational information in vocational guidance.
Pre: 601.
Daily 8:45-10:00

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)    Staff
Philosophy, history, organization, and administration of student
personnel services at college and university levels including admis-
sions, housing, student activities, financial aids, placement, coun-
seling, health services.
Daily 7:20-8:35

609 Tests and Inventories in Guidance (3)                 N. Priggie
Tests and inventories for measuring aptitudes, interests, modes of
behavior. Pre: 416, 601.
Daily 11:35-12:50
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 10:10-11:25

614 Theory and Assessment of Intelligence (3) J. Shapiro
Theories of intelligence, psychometric and social issues in intelligence testing; use of individual intelligence examinations for assessment of educability. Pre: 416 or Psy 425. Enrollment in graduate programs in clinical or school psychology, counseling and guidance or education of exceptional children.
Daily 10:10-11:25

629 Educational Statistics (3) D. Blaine
Statistical inference including applications of parametric and non-parametric methods to educational problems. Pre: 429 or its equivalent.
Daily 11:35-12:50

672 Advanced Educational Psychology: Learning (3) I. Reid
Application of experimental evidence in learning upon major educational problems; analysis of research methods in classroom learning. Pre: consent of instructor.
Daily 10:10-11:25

673 Advanced Educational Psychology: Psycho-Social Development (3) H. Ayabe
Research methods and findings involving classroom group structures, attitude and personality development, psycholinguistic behavior. Pre: consent of instructor.
Daily 8:45-10:00

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

710 Counseling: Group Theory and Practice (3) D. Fullmer
Theories and techniques of group counseling and psychotherapy as preparation for practicum and field work. Pre: 610 or equivalent preparation, basic course in guidance, tests and measurements, counseling theory-practice, and consent of instructor.
Daily 8:45-10:00

THIRD 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) T. Chang
Theory and techniques of measurement and evaluation in education, including supervised experience in instrument development and analysis.
Daily 7:20-8:35

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

605 Problems of School Adjustment (3) T. Chang
Principles of behavior affecting human relationships in school, with emphasis upon application to actual situations.
Daily 8:45-10:00

Health & Physical Education (HPE)

FIRST TERM

Medical Clearance Requirement: For HPE courses numbered 101-197, 233-236, 332-337, 433, 434, 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 8. For the procedure to obtain this clearance, see page 22.

103 Swimming: Beginning (1) G.W. Mock, J. Daniels
(2 sections)
Adjusting to and immersing in water, floating, sculling; correct arm stroke, leg kick, breathing techniques and their coordination.
Daily (1) 8:10-9:00 (Mock)
(2) 10:10-11:00 (Daniels)

104 Swimming: Intermediate (1) J. Daniels
Perfecting and integrating basic strokes with added emphasis on swimming for distance and speed.
Daily 9:10-10:00

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

110 Golf: Beginning (1) H. Vasconcellos
(2 sections)
Rules, etiquette, grip, stance, drive, normal iron shots, approach shots, putting.
Daily (1) 8:10-9:00
(2) 9:10-10:00

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) 11:10-12:00

135 Volleyball (1) S. Martin
Rules, serving, passing, setting-up, spiking, blocking, offensive and defensive team play strategy. Separate sections for men and women.
Daily 10:10-11:00

162 Karate (1) H. Tagomori
Rules, etiquette, basic stances, blocks, thrusts, kicks, jiyum, and selected kata. (Student must provide own gi.)
Daily 9:10-10:00

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

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 9:10-10:00

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

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-res-
piratory endurance. Primarily for physical education majors, but open to others with consent of instructor. Pre: one year of biology or equivalent.
Daily 10:10-11:25

477 Physical Education and Child Development (3)  G. Krahenbuhl
Conceptions of physical, social, emotional and intellectual growth and development of child as influenced by physical education. Pre: 203 and 233, Psy 320 or consent of instructor.
Daily 8:45-10:00

SECOND TERM

Medical Clearance Requirement: For HPE courses numbered 101-197, 233-236, 332-337, 433, 434, 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 29. For the procedure to obtain this clearance, see page 22.

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

107 Tennis: Beginning (1)  J. Asato
(2 sections)
Rules, etiquette, grip, forehand and backhand strokes, serving, volleying; singles and doubles play.
Daily (1) 10:10-11:00
(2) 11:10-12:00

110 Golf: Beginning (1)  G. Seichi
Rules, etiquette, grip, stance, drive, normal iron shots, approach shots, putting.
Daily (1) 11:10-12:00

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

123 Folk and National Dances (1)  L. Kaina
Popular dances of various national groups, including square dances.
Daily 8:10-9:00

124 Dances of Hawaii (1)  H. Stellmacher, E. Bekeart
(4 sections)
Background and fundamentals of hula. Selected dances with and without instruments.
Daily (4) 8:10-9:00 (Men)  (Stellmacher)
(3) 10:10-11:00 (Bekeart)
(4) 11:10-12:00 (Bekeart)

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

163 'Tai Chi Ch'uan (1)  T.Y. Pang
Analytical and laboratory study of classic forms of 'Tai Chi Ch'uan (advanced form of Kung Fu).
Daily 11:10-12:00

332 Emergency Care and First Aid Instructor Training (2)  G. Seichi
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.
Daily 10:10-11:00

336 Coaching of Swimming (2)  G.W. Mock
Techniques and rules of free-style, breast-stroke, back-stroke, butterfly-stroke, relay racing, starting, turning, diving; conduct of swimming meet: specific conditioning and training problems. Pre: 204.
Daily 9:10-10:00

401 Current Trends in Health (3)  H. Tominaga
Critical analysis of current problems and trends in basic health education areas which contribute to healthful living in community, home and school. Pre: 201 or 202, consent of instructor; 302 desirable.
Daily 8:45-10:00

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 10:10-11:00

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.
Daily 11:10-12:00

476 Motor Learning and Performance (3)  S. Martin
Daily 8:45-10:00

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 10:10-11:25

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

634 Adapted Physical Education (3)  J. Little
Factors essential to practice of adapted physical education; disabilities, problems and needs of physically handicapped pupils with emphasis on accepted procedures for meeting these. Pre: 453, 454, and 463, or consent of instructor.
Daily 10:10-11:25

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

THIRD TERM

Medical Clearance Requirement: For HPE courses numbered 101-197, 233-236, 332-337, 433, 434, and 454, a student is required to submit a medical clearance issued by the University of Hawaii Student Health Service no later than Friday, July 20. For the procedure to obtain this clearance, see page 22.

107 Tennis: Beginning (1)  G. Krahenbuhl
(2 sections)
Rules, etiquette, grip, forehand and backhand strokes, serving, volleying; singles and doubles play.
Daily (1) 8:10-9:00
(2) 9:10-10:00
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 10:10-11:25

409 Culturally and Economically Disadvantaged Pupil (3)  M. Ezer
Survey of social and psychological factors related to culturally and economically disadvantaged pupil and his education. Review of local resources and facilities to assist these pupils. (Identical with Ed EF 409) Daily 8:45-10:00

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, and 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

SECOND TERM

200 Mental Retardation and Mental Health Work-Study Program (6)  F. Dell'Apa
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.) Daily Hrs. arr.

404 Introduction to Special Education (3)  D. Sisk
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

409 Culturally and Economically Disadvantaged Pupil (3)  M. Ezer
Survey of social and psychological factors related to culturally and economically disadvantaged pupil and his education. Review of local resources and facilities to assist these pupils. (Identical with Ed EF 409) Daily 7:20-8:35

414 Education of Gifted Children (3)  D. Sisk

611 Advanced Curriculum and Instruction in Special Education (3)  G. Latham
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

615 Clinical Assessment of Exceptional Children (3)  G. Fargo
Diagnostic instruments used in clinical appraisal of exceptional children. Theoretical considerations will buttress field appraisal experience. Taken concurrently with 619. Pre: 411-412 or consent of instructor. (Open only to currently employed teachers.) Daily 7:20-8:35

616 Seminar in the Education of Exceptional Children: Mentally Retarded (3)  G. Latham
Study of issues, research, and program development in the area of mentally retarded. Pre: 404, 405, 410. Daily 7:20-8:35

619 Theory and Practice of Clinical Teaching (3)  G. Fargo
Theories and techniques of clinical teaching with mentally retarded children and children with learning and behavior disorders. Taken concurrently with 615. Pre: 411-412 or consent of instructor. (Open only to currently employed teachers.) 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 registration in Phys 170.
Daily 11:35-12:50

381 Structural Analysis (3)  T. McGee
Daily 7:20-8:35

699 Directed Research (v)  Staff
Hrs. arr.

800 Thesis (v)  Staff
Hrs. arr.

SECOND TERM

311 Basic Circuits Analysis (3)  Staff
Lectures and problem sessions. Credit counts toward major requirements in electrical engineering. Pre: Phys 272; Math 231.
Daily 9:30-10:45 June 25-August 15

699 Directed 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.

THIRD TERM

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

699 Directed Research (v)  Staff
Hrs. arr.

800 Thesis (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.

SECOND TERM

311 Basic Circuits Analysis (3)  Staff
Lectures and problem sessions. Credit counts toward major requirements in electrical engineering. Pre: Phys 272; Math 231.
Daily 9:30-10:45 June 25-August 15

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.

THIRD 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.
General Engineering (GE)

FIRST TERM

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

251 Computer Programming in PL/1 (3)         D. Boyd
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)      P.K. Takahashi,
(3 sections)                                 B.H. Chen
FORTRAN 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 (1) 7:20- 8:35 (Takahashi)
(2) 8:45-10:00 (Takahashi)
(3) 10:10-11:25 (Chen)

255 Computer Programming in COBOL (3)        B.H. Chen
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

311 Thermodynamics (3)                        P. Cheng
Daily 10:10-11:25

371 Mechanics of Solids (3)                   Staff
Analysis of deformable bodies. Definition of stress and infinitesimal strain. Linear elasticity. Stress, strain and deformation of simple bodies subjected to torsion, bending, and shear force.
Daily 8:45-10:00

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.

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.

800 Thesis (v)                               Staff

THIRD TERM

311 Thermodynamics (3)                        J.C.S. Chou
Daily 8:45-10:00

331 Materials Science (3)                    Staff
Behavior of materials as determined by structure and environment. Interrelationships between microscopic and macroscopic structure and phenomenological properties.
Daily 10:10-11:25

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.

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.

800 Thesis (v)                               Staff

Ocean Engineering (OE)

FIRST TERM

601 Ocean Engineering Laboratory (3)          G. Venezian
The course will involve the design and analysis of the mooring system for a spar buoy which will then be placed in the ocean and its response to waves will be evaluated. The course will be offered only if there is adequate enrollment. Pre: graduate students in OE or oceanography.
Daily 1:30-4:30 Look Laboratory
ENGLISH (Eng)

FIRST TERM

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

251 Major Works of British and American Literature (3)
B. Leggett, P. Frantz
From the Middle Ages to 1800, an introductory course for sophomores.
Daily (1) 7:20- 8:35 (Leggett)
(2) 8:45-10:00 (Frantz)

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

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

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

255 Types of Literature (3)  L. Cunningham, R. McHenry, M. McKeegan, L. Lichty
Practical criticism in the major genres of European and American literature. Short story, novel, literary essay, introduction to poetry (narrative).
Daily (1) 7:20- 8:35 (Cunningham)
(2) 8:45-10:00 (McHenry)
(3) 10:10-11:25 (McKeegan)
(4) 11:35-12:50 (Lichty)

256 Types of Literature (3)  D. Schlieman, R. Werner, Staff
(3 sections)
Practical criticism in the major genres of European and American literature. Drama, biography, poetry.
Daily (1) 7:20- 8:35 (Staff)
(2) 8:45-10:00 (Schlieman)
(3) 10:10-11:25 (Werner)

309 Written Communication (3)  L. Lichty, Staff
Practice in informative, analytical, and persuasive writing. Open only to students in Business Administration and Home Economics. Pre: 100 and sophomore literature, or equivalent.
Daily (1) 7:20- 8:35 (Staff)
(2) 8:45-10:00 (Lichty)
(3) 11:35-12:50 (Staff)

315 Advanced Expository Writing (3)  J. Gray
Writing of essays from logical and rhetorical principles, especially modes of definition, assertion, proof. Emphasis on clarity, coherence, style.
Daily 7:20-8:35

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 8:45-10:00

331 Introduction to Poetry (3)  D. Stempel
Written and oral analysis of imagery, sound, language, form and structure of poems, leading to increased awareness of nature of poetry.
Daily 11:35-12:50

335 Backgrounds of World Literature (3)  B. Kirtley
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)  B. Stiliians
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)  T. Pak
Introduction to older stages of English and processes by which Modern English evolved.
Daily 10:10-11:25

413 Form and Theory of Fiction (3)  A. Baber
Study of techniques of prose fiction from standpoint of the writer. Pre: consent of instructor.
Daily 11:35-12:50

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)  T. Summersgill
Study of Shakespeare's plays from the beginning to Hamlet.
Daily 8:45-10:00

457 18th-Century English Literature (3)  J. Maltby
Poetry, prose (exclusive of the novel), drama from 1700 to 1740, with emphasis on Pope and Swift.
Daily 10:10-11:25

469 Studies in British Literature (3)  Staff
Daily 7:20-8:35

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

476 20th-Century American Novel (3)  C. Bouslog
Daily 8:45-10:00

479 Studies in American Literature (3)  Staff
Daily 8:45-10:00

482 History of the English Language (3)  T. Pak
Introduction to older stages of English and processes by which Modern English evolved.
Daily 10:10-11:25

484 Modern Dramatic Literature (3)  J. Maltby
European and American, Pirandello to Pinter, 1920 on.
Daily 11:35-12:50

487 Modern Poetry (3)  Staff
Daily 7:20-8:35

489 Studies in Comparative Literature (3)  B. Menikoff
Modern short story.
Daily 11:35-12:50
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Instructor(s)</th>
<th>Credits</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>253</td>
<td>World Literature: To the Renaissance (3)</td>
<td>Staff</td>
<td>3</td>
<td>Daily 10:10-11:25</td>
</tr>
<tr>
<td>254</td>
<td>World Literature: 1600 to the Present (3)</td>
<td>Staff</td>
<td>3</td>
<td>Daily 10:10-11:25</td>
</tr>
<tr>
<td>255</td>
<td>Types of Literature (3)</td>
<td>C. Church, J. Morrison, L. Seitz</td>
<td>3</td>
<td>(3 sections) Daily 7:20-8:35 (Morrison), 8:45-10:00 (Church), 10:10-11:35 (Seitz)</td>
</tr>
<tr>
<td>256</td>
<td>Types of Literature (3)</td>
<td>J. DeMoss, Staff</td>
<td>3</td>
<td>(2 sections) Daily 8:45-10:00 (DeMoss), 10:10-11:25 (Staff)</td>
</tr>
<tr>
<td>252</td>
<td>Major Works of British and American Literature (3) (2 sections)</td>
<td>K. Merz, K. Ownbey, Staff</td>
<td>3</td>
<td>From 1800 to the present; an introductory course for sophomores. Daily 1 (8:45-10:00 (Merz)), 2 (10:10-11:25 (Staff))</td>
</tr>
<tr>
<td>251</td>
<td>Major Works of British and American Literature (3) (2 sections)</td>
<td>M. Harman, Staff</td>
<td>3</td>
<td>From the Middle Ages to 1800; an introductory course for sophomores. Daily 1 (7:20-8:35 (Harman)), 2 (10:10-11:25 (Staff))</td>
</tr>
<tr>
<td>250</td>
<td>Major Works of British and American Literature (3) (2 sections)</td>
<td>Staff</td>
<td>3</td>
<td>From 1800 to the present; an introductory course for sophomores. Daily 1 (8:45-10:00 (Staff))</td>
</tr>
<tr>
<td>259</td>
<td>Written Communication (3)</td>
<td>M. Mucklo</td>
<td>3</td>
<td>Daily 7:20-8:35</td>
</tr>
<tr>
<td>315</td>
<td>Advanced Expository Writing (3)</td>
<td>J. Gray</td>
<td>3</td>
<td>Writing of essays from logical and rhetorical principles, especially modes of definition, assertion, proof. Emphasis on clarity, coherence, style. Daily 11:35-12:50</td>
</tr>
<tr>
<td>320</td>
<td>Introduction to Language (3)</td>
<td>T. Pak</td>
<td>3</td>
<td>Examination of modern concepts of structure and use of language, with special reference to the English language. Daily 8:45-10:00</td>
</tr>
<tr>
<td>335</td>
<td>Backgrounds of World Literature (3)</td>
<td>Staff</td>
<td>3</td>
<td>Most important sources of European literary themes and allusions, including King James Bible and western European myth and legend. Daily 10:10-11:25</td>
</tr>
<tr>
<td>336</td>
<td>Introduction to Literary Problems (3)</td>
<td>Staff</td>
<td>3</td>
<td>Critical evaluation of the genres of literature, of various modes of analysis, of problems involved in literary perception. Daily 7:20-8:35</td>
</tr>
<tr>
<td>360</td>
<td>Readings in Oriental Literature (3)</td>
<td>Staff</td>
<td>3</td>
<td>Introduction to major texts in three or more Oriental literatures, with opportunity for each student to read further in one literature of his own choosing. Daily 11:35-12:50</td>
</tr>
<tr>
<td>401</td>
<td>Modern English Grammar (3)</td>
<td>Y. Shen</td>
<td>3</td>
<td>Syntax of modern English examined within framework of recent linguistic scholarship. Daily 10:10-11:25</td>
</tr>
<tr>
<td>433</td>
<td>20th-Century British Novel (3)</td>
<td>Staff</td>
<td>3</td>
<td>Daily 7:20-8:35</td>
</tr>
<tr>
<td>446</td>
<td>Shakespeare (3)</td>
<td>Staff</td>
<td>3</td>
<td>Shakespeare's plays from <em>Hamlet</em> through the last plays. Daily 8:45-10:00</td>
</tr>
<tr>
<td>453</td>
<td>16th-Century English Literature (3)</td>
<td>Staff</td>
<td>3</td>
<td>Poetry and prose of Tudor period, exclusive of the drama. Daily 8:45-10:00</td>
</tr>
<tr>
<td>469</td>
<td>Studies in British Literature (3)</td>
<td>Staff</td>
<td>3</td>
<td>Daily 10:10-11:25</td>
</tr>
<tr>
<td>473</td>
<td>American Literature (3)</td>
<td>Staff</td>
<td>3</td>
<td>Critical study of American literature from 1914 to the Present. Daily 11:35-12:50</td>
</tr>
<tr>
<td>476</td>
<td>20th-Century American Novel (3)</td>
<td>Staff</td>
<td>3</td>
<td>Development of American novel from 1900 to present. Daily 7:20-8:35</td>
</tr>
<tr>
<td>479</td>
<td>Studies in American Literature (3)</td>
<td>Staff</td>
<td>3</td>
<td>Daily 10:10-11:25</td>
</tr>
<tr>
<td>480</td>
<td>Literature of the Pacific (3)</td>
<td>Staff</td>
<td>3</td>
<td>The literature of the Pacific Islands and Australasia. Narrative of voyages and travels, translations of native folk literature, short stories and novels by such writers as Melville, Stevenson, London, Becke, Nordhoff and Hall. Daily 8:45-10:00</td>
</tr>
</tbody>
</table>
483 Modern Dramatic Literature (3)  Staff
European, Ibsen, and Chekhov to Shaw, 1880-1920.
Daily 11:35-12:50

630 Seminar in Research Methods (3)  J. Gray
Kinds of research, problems of bibliography, fundamentals of thesis
writing. Required of all candidates for M.A. degree in English.
Daily 8:45-10:00

660 Major Authors (3)  Staff
Study of one or more authors, English or American.
Daily 10:10-11:25

675 Literary Genres and Problems (3)  Staff
Study of one area of English or American literature.
Daily 11:35-12:50

775 Seminar in English Literature (3)  Staff
Study of authors or a period. Pre: consent of instructor.
Daily 11:35-12:50

THIRD TERM

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

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

253 World Literature: To the Renaissance (3)  Staff
Major works of classical, Oriental, European and English literature.
Daily 11:35-12:50

254 World Literature: 1600 to the Present (3)  Staff
Major works of classical, Oriental, European, American and
English literature.
Daily 7:20-8:35

255 Types of Literature (3)  K. MacDonald, Staff
(2 sections)
Practical criticism in the major genres of European and American
literature. Short story, novel, literary essay, introduction to poetry
(narrative).
Daily (1) 8:45-10:00 (MacDonald)
(2) 11:35-12:50 (Staff)

256 Types of Literature (3)  Staff
(2 sections)
Practical criticism in the major genres of European and American
literature. Drama, biography, poetry.
Daily (1) 7:20-8:35
(2) 10:10-11:25

309 Written Communication (3)  Staff
Practice in informative, analytical, and persuasive writing. Open
only to students in Business Administration and Home Economics.
Pre: 100 and sophomore literature or equivalent.
Daily 7:20-8:35

315 Advanced Expository Writing (3)  J.W. Frierson
Writing of essays from logical and rhetorical principles, especially
modes of definition, assertion, proof. Emphasis on clarity, coherence,
stylistic
Daily 10:10-11:25

320 Introduction to Language (3)  Staff
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)  Staff
Most important sources of European literary themes and allusions,
including King James Bible and western European myth and
legend.
Daily 11:35-12:50

336 Introduction to Literary Problems (3)  Staff
Critical evaluation of the genres of literature, of various modes of
analysis, of problems involved in literary perception.
Daily 8:45-10:00

360 Readings in Oriental Literature (3)  Staff
Introduction to major texts in three or more Oriental literatures,
with opportunity for each student to read further in one literature
of his own choosing.
Daily 10:10-11:25

401 Modern English Grammar (3)  Staff
Syntax of modern English examined within framework of recent
linguistic scholarship.
Daily 8:45-10:00

446 Shakespeare (3)  Staff
Shakespeare's plays from Hamlet through the last plays.
Daily 10:10-11:25

469 Studies in British Literature (3)  Staff
Daily 11:35-12:50

473 American Literature (3)  Staff
Critical study of American literature from 1914 to present.
Daily 7:20-8:35

476 20th-Century American Novel (3)  Staff
Development of American novel from 1900 to present.
Daily 11:35-12:50

479 Studies in American Literature (3)  Staff
Daily 10:10-11:25

660 Major Authors (3)  Staff
Study of one or more authors, English or American.
Daily 8:45-10:00

675 Literary Genres and Problems (3)  Staff
Daily 10:10-11:25
ENGLISH LANGUAGE INSTITUTE (ELI)
All ELI courses meet M-F, 9 weeks, June 4-August 3.

<table>
<thead>
<tr>
<th>Course</th>
<th>Staff</th>
<th>Credits</th>
<th>Description</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>60 Oral English for Foreign Students</td>
<td>Staff</td>
<td>4</td>
<td>Intensive drill to develop facility in speaking and understanding. Language laboratory work also required.</td>
<td>Daily 7:20-8:35</td>
</tr>
<tr>
<td>61 English Structure for Foreign Students</td>
<td>Staff</td>
<td>3</td>
<td>Intensive drill on recognition and production of English grammatical signals.</td>
<td>Daily 10:10-11:25</td>
</tr>
<tr>
<td>62 Reading Program for Foreign Students</td>
<td>Staff</td>
<td>3</td>
<td>Instruction and practice in developing improved reading comprehension and speed, and in effective use of textbooks and reference materials.</td>
<td>Daily 1:10-2:25</td>
</tr>
<tr>
<td>63 Writing Program for Foreign Students</td>
<td>Staff</td>
<td>3</td>
<td>Focus on the similarities and differences between spoken and written English.</td>
<td>Daily 2:35-3:50</td>
</tr>
<tr>
<td>70 Intermediate Oral English for Foreign Students (2 sections)</td>
<td>Staff</td>
<td>3</td>
<td>Further practice in spoken fluency and accurate aural comprehension. Language laboratory work required.</td>
<td>Daily (1) 9:10-10:00, (2) 10:10-11:00</td>
</tr>
<tr>
<td>71 Intermediate English Structure for Foreign Students (2 sections)</td>
<td>Staff</td>
<td>3</td>
<td>Further drill on English grammatical patterns.</td>
<td>Daily (1) 11:35-12:25, (2) 1:35-2:25</td>
</tr>
<tr>
<td>72 Intermediate Reading Program for Foreign Students (2 sections)</td>
<td>Staff</td>
<td>2</td>
<td>Further work on reading comprehension and speed, techniques of skimming and rapid review.</td>
<td>Daily (1) 7:45-8:35, (2) 9:10-10:00</td>
</tr>
<tr>
<td>73 Intermediate Writing Program for Foreign Students (3 sections)</td>
<td>Staff</td>
<td>3</td>
<td>Intensive analysis of common transitional expressions occurring in expository writing. Practice in the use of these devices in essays and summaries.</td>
<td>Daily (1) 7:45-8:35, (3) 10:10-11:00</td>
</tr>
<tr>
<td>80 Advanced Oral English for Foreign Students</td>
<td>Staff</td>
<td>2</td>
<td>Emphasis on comprehension of unmodified streams of speech and extended oral discourse.</td>
<td>Daily 7:45-8:35</td>
</tr>
<tr>
<td>81 Advanced English Structure for Foreign Students</td>
<td>Staff</td>
<td>2</td>
<td>Emphasis on control of complex spoken and written syntactical constructions.</td>
<td>Daily 10:10-11:00</td>
</tr>
<tr>
<td>82 Advanced Reading Program for Foreign Students</td>
<td>Staff</td>
<td>2</td>
<td>Emphasis on the development of skills in comprehending the subtleties and sophisticated ideas of modern English prose.</td>
<td>Daily 9:10-10:00</td>
</tr>
<tr>
<td>83 Advanced Writing Program for Foreign Students</td>
<td>Staff</td>
<td>2</td>
<td>Writing workshop. Individualized instruction in specific writing problems, such as term paper assignments, reports, projects, etc.</td>
<td>Daily 11:35-12:25</td>
</tr>
</tbody>
</table>

ESL 100 Expository Writing: A Guided Approach (3)  
Staff  
Extensive practice in writing expository essays focusing on the discovery and use of various linguistic devices which make an essay effective. (May fulfill English composition requirement only for non-native speakers of English.)  
Daily 9:10-10:00

ENGLISH AS A SECOND LANGUAGE (ESL)

FIRST TERM

<table>
<thead>
<tr>
<th>Course</th>
<th>Staff</th>
<th>Credits</th>
<th>Description</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>460 English Phonology (3)</td>
<td>D. Reibel</td>
<td>3</td>
<td>Basic course in English phonetics and phonology with particular attention paid to areas of interest to language teachers. Introduction to current work in English generative phonology.</td>
<td>Daily 7:20-8:35</td>
</tr>
<tr>
<td>650 Psycholinguistics in Second Language Learning (3)</td>
<td>D. Steinberg</td>
<td>3</td>
<td>Critical survey of theories of language and language processes that relate to second language acquisition. Relation of language to mind, behavior and culture considered.</td>
<td>Daily 10:10-11:25</td>
</tr>
<tr>
<td>699 Directed Reading (v)</td>
<td>R. Crymes</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>710 Materials Selection and Adaptation (3)</td>
<td>J. Callender</td>
<td>3</td>
<td>Discussion of principles of materials selection and reasons for supplementation and adaptation; preparation of supplements to and adaptations of selected materials following in the main, the assumptions already underlying those materials. Pre: 610.</td>
<td>Daily 8:45-10:00</td>
</tr>
<tr>
<td>799 Directed Research (v)</td>
<td>R. Crymes</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SECOND TERM

<table>
<thead>
<tr>
<th>Course</th>
<th>Staff</th>
<th>Credits</th>
<th>Description</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>360 The English Language in Hawaii (3)</td>
<td>W. Feet, Jr.</td>
<td>3</td>
<td>Survey of the major historical, descriptive and pedagogical aspects of English in Hawaii, with emphasis on basic problems in such areas as pidgin and creole languages, linguistic change, and language variation. Students will work with actual language data. Pre: one course in English language or linguistics.</td>
<td>Daily 10:10-11:25</td>
</tr>
<tr>
<td>425 Linguistics and Reading (3)</td>
<td>C. Mason</td>
<td>3</td>
<td>Survey of research related to the reading process and the development of methodology in the teaching of reading. Particular attention given to psycholinguistic investigations of reading and comparison of reading in first and second languages. Pre: Eng 320 or equivalent.</td>
<td>Daily 11:35-12:50</td>
</tr>
<tr>
<td>450 English Syntax (3)</td>
<td>M. Lester</td>
<td>3</td>
<td>Basic course in English syntax primarily within the generative transformational framework with attention wherever possible to implications for the language teacher.</td>
<td>Daily 1:10-2:25</td>
</tr>
<tr>
<td>699 Directed Reading (v)</td>
<td>R. Crymes</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>799 Directed Research (v)</td>
<td>R. Crymes</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

THIRD TERM

<table>
<thead>
<tr>
<th>Course</th>
<th>Staff</th>
<th>Credits</th>
<th>Description</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>699 Directed Reading (v)</td>
<td>R. Crymes</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>799 Directed Research (v)</td>
<td>R. Crymes</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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.

225 Early Greek Thought (3) A. Burns
Comprehensive study of evolution of early Greek thought from its beginnings through Aristotle as expressed in mythology, literature, science and philosophy. (Cross-listed as Philosophy 225)
Daily 8:45-10:00

332 20th-Century Russian Literature (3) M. Klimenko
Survey of important literary movements and authors from Gorki to Solzhenitsyn. Lectures and discussions of most important works of this period.
Daily 10:10-11:25

SECOND TERM

Literature course in English

Note: This course, given in English, does not require knowledge of a foreign language. It does not count toward requirements for any major in this department. It may count toward foreign culture requirement.

112 Greek and Roman Mythology (3) D. Sansone
The principal myths of Greek and Roman literature.
Daily 10:10-11:25

French (Fr)

FIRST TERM

101 Elementary French (4) Staff
(2 sections)
Intensive course in conversation, grammar, reading, writing. Language lab practice required daily.
Daily (1) 7:45-10:00 plus laboratory
(2) 9:10-11:25 plus laboratory

102 Elementary French (4) Staff
(2 sections)
Continuation of 101. Language lab practice required daily.
Daily (1) 7:45-10:00 plus laboratory
(2) 9:10-11:25 plus laboratory

103 Intensive Elementary French (8) Staff
In one session the contents of 101-102 will be presented. Language lab practice required daily.
Daily 7:45-12:25 plus laboratory

201 Intermediate French (3) Staff
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) Staff
Continuation of 201. Language lab practice required daily.
Daily 7:20-8:35 plus laboratory

210 Accelerated Intermediate French (6) Staff
In one session the contents of 201-202 will be presented. Language lab practice required daily.
Daily 7:20-10:00 plus laboratory

301 Phonetics and Pronunciation Practice (3) M. 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
### French (Fr)

**306 Structure of French (3)**
- Staff
- Study of structure of contemporary French as analyzed by descriptive linguists. Pre: 202 or equivalent.
  - Daily 7:20-8:35

**311 Advanced Conversation (3)**
- Staff
- Systematic practice designed to develop student's control of spoken French. Attention to further development of vocabulary which will permit accurate and mature expression on variety of topics. Pre: 202 or equivalent.
  - Daily 11:35-12:50

**312 Advanced Composition (3)**
- Staff
- Emphasis on strengthening facility with language through further training in syntax, structure and composition writing. Pre: 202.
  - Daily 7:20-8:35

**311 Advanced Conversation (3)**
- Staff
- Systematic practice designed to develop student's control of spoken French. Attention to further development of vocabulary which will permit accurate and mature expression on variety of topics. Pre: 202 or equivalent.
  - Daily 11:35-12:50

**312 Advanced Composition (3)**
- Staff
- Emphasis on strengthening facility with language through further training in syntax, structure and composition writing. Pre: 202.
  - Daily 7:20-8:35

**361 French Civilization (3)**
- M. Bénouis
- 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)**
- Staff
  - Intensive course in conversation, grammar, reading, writing. Language lab practice required daily.
  - Daily 7:45-10:00 plus laboratory

**102 Elementary German (4)**
- G.R. Salisburg
  - Continuation of 101. Language lab practice required daily.
  - Daily 7:45-10:00 plus laboratory

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

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

**202 Intermediate German (3)**
- B.J. Dahle
  - Continuation of 201. Language lab practice required daily.
  - Daily 10:10-11:25 plus laboratory

### Latin (Lat)

**FIRST TERM**

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

**SECOND TERM**

**201-202 Intermediate Latin (6)**
- Staff
  - Review of grammar, reading of selections from prose and poetry, equivalent to 201 and 202. Pre: 102 or the equivalent.
  - Hrs. arr.

### Russian (Rus)

**FIRST TERM**

**101-102 Elementary Russian (8)**
- T. Gasinski, L. Heien
  - Intensive course in conversation, grammar, reading, writing, equivalent to 101 and 102. Language lab practice required daily.
  - Daily 7:45-12:25 plus laboratory

**201-202 Intermediate Russian (6)**
- Staff
  - Intensive course in reading, conversation, grammar, composition, equivalent to 201 and 202. Language lab practice required daily.
  - Daily 8:45-11:25 plus laboratory

### Spanish (Sp)

**FIRST TERM**

**101 Elementary Spanish (4)**
- Staff
  - (2 sections)
  - Intensive beginning course, primarily emphasizing oral practice. Language lab practice required daily.
  - Daily (1) 7:45-10:00 plus laboratory
  - (2) 9:10-11:25 plus laboratory

**201 Intermediate Spanish (3)**
- M. Montes
  - Continuation of oral practice, with increasing emphasis on reading and written composition. Pre: 102 or equivalent. Language lab practice required daily.
  - Daily 8:45-10:00 plus laboratory

**SECOND TERM**

**210 Accelerated Intermediate Spanish (6)**
- J. Kratky
  - Intensive course equivalent to 201 and 202. Language lab practice required daily.
  - Daily 8:45-11:25 plus laboratory

**303 Advanced Grammar and Composition (3)**
- Staff
  - Daily 10:10-11:25

**330 Phonetics and Pronunciation Practice (2)**
- R. Hadlich
  - Analysis of Spanish phonological system, in contrast with English. Practice designed to perfect student's pronunciation. Pre: 202 or equivalent. Language lab practice required daily.
  - Daily 8:45-10:00 plus laboratory

**444 Spanish Dialectology (3)**
- J. Holton
  - Study of principal regional and social variants from cultured standard Castilian encountered in language of Iberian Peninsula, America, Philippines. Pre: 431 or consent of instructor.
  - Daily 10:10-11:25

**695 Seminar in Hispanic Literature (3)**
- Staff
  - Study of a period, author, genre or region. Pre: consent of instructor. (May be repeated.)
  - Hrs. arr.
GENETICS (Genet)

FIRST TERM
699 Directed Research (v)  G. Ashton
800 Thesis (v)  G. Ashton

SECOND TERM
699 Directed Research (v)  G. Ashton
800 Thesis (v)  G. Ashton

THIRD TERM
699 Directed Research (v)  G. Ashton
800 Thesis (v)  G. Ashton

GEOGRAPHY (Geog)

FIRST TERM
101 Elements of Physical Geography (3)  L. Wester
Survey of man’s natural environment: distribution and interrelations of climates, vegetation, soils, landforms. Laboratory problems in map interpretation and environmental analysis.
Daily 11:35-12:50
Lab (1) 1:10-4:00 MW
(2) 1:10-4:00 TTh

102 World Regional Geography (3)  L. Masterson
Geography of world’s major cultural regions; emphasis on geographic aspects of contemporary economic, social, political conditions.
Daily 10:10-11:25

314 Geography of the Tropics (3)  B. Murton
Analysis of physical, environmental and resource potential of tropics; problems of human use and occupancy.
Daily 8:45-10:00

353 Geography of China (3)  L. Masterson
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. Emphasis on spatial aspects of modernization and economic development since 1949.
Daily 11:35-12:50

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

700(1) Seminar in Geography (3)  B. Murton
Cultural geography.
Hrs. arr.

700(2) Seminar in Geography (3)  R. Earickson
Fortran programming for social sciences.
Hrs. arr.

799 Directed Research (v)  R. Fuchs
Pre: consent of instructor.
Hrs. arr.

800 Thesis Research (v)  Staff
Hrs. arr.

SECOND TERM
326 Conservation and Resource Management (3)  Staff
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.
Daily 10:10-11:25

368 Geography of Hawaii (3)  G. Pianaia
Regional, physical, cultural geography. Detailed study of people and resources.
Daily 8:45-10:00

501 High School Geography Project (6)  F. Ritter
The new approach to teaching geography in the secondary school developed by the Association of American Geographers. Emphasis will be on use of newly developed curricular materials and on provision of subject matter background essential for teaching High School Geography Project.
Daily 8:45-11:25

799 Directed Research (v)  R. Fuchs
Pre: consent of instructor.
Hrs. arr.

800 Thesis Research (v)  Staff
Hrs. arr.

THIRD TERM
101 Elements of Physical Geography (3)  Staff
Survey of man’s natural environment: distribution and interrelations of climates, vegetation, soils, landforms. Laboratory problems in map interpretation and environmental analysis.
Daily 11:35-12:50
Lab (1) 1:10-4:00 MW
(2) 1:10-4:00 TTh

102 World Regional Geography (3)  L. Masterson
Geography of world’s major cultural regions; emphasis on geographic aspects of contemporary economic, social, political conditions.
Daily 10:10-11:25

314 Geography of the Tropics (3)  B. Murton
Elements of economic geography and resource management, population and urban geography: application to current problems of developed and underdeveloped worlds.
Daily 8:45-10:00

451 Geography and Contemporary Society (3)  R. Rana
Elements of economic geography and resource management, population and urban geography: application to current problems of developed and underdeveloped worlds.
Daily 8:45-10:00

368 Geography of Hawaii (3)  A. Pianaia
Regional, physical, cultural geography. Detailed study of people and resources.
Daily 8:45-10:00

700 Seminar in Geography (3)  R. Rana
Hrs. arr.

799 Directed Research (v)  R. Fuchs
Pre: consent of instructor.
Hrs. arr.

800 Thesis Research (v)  Staff
Hrs. arr.
**GEOLOGY AND GEOPHYSICS (GG)**

**FIRST TERM**

- **614 Advanced Field Study (v)**  
  Field projects in geologic sciences.  
  Hrs. arr.  

- **680 Seminar in Geodesy (2)**  
  Navigation and precise positioning, geodetic astronomy, and coordinate conversion. Advanced topics in potential theory and physical geodesy.  
  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 landforms, ground water, engineering materials.  
  MTWTh 8:45-10:00  
  Friday 9:00-3:00 (Field Trip)

**THIRD TERM**

- **614 Advanced Field Study (v)**  
  Field projects in geologic sciences.  
  Hrs. arr.  

- **680 Seminar in Geodesy (2)**  
  K. Daugherty  
  Navigation and precise positioning, geodetic astronomy, and coordinate conversion. Advanced topics in potential theory and physical geodesy.  
  Hrs. arr.  

- **799 Directed Research (v)**  
  Staff  

- **800 Thesis Research (v)**  
  Staff

**HISTORY (Hist)**

**FIRST TERM**

- **151 World Civilization (3)**  
  J.J. Connors  
  A survey of the more significant political, social, economic, and intellectual factors in the development of civilization of the world from the ancient Middle East, Greece and Rome in the West, and the ancient cultures of China, Japan, and India in the East to the 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  
  Labs 9-12 W 1:00-2:15  
  Labs 13-16 Th 1:00-2:15

- **152 World Civilization (3)**  
  J.J. Connors  
  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  
  Labs 7-9 W 1:00-2:15  
  Labs 10-12 Th 1:00-2:15

- **241 Civilizations of Asia (3)**  
  V.D. Morris  
  Historical survey of major civilizations of Asia from earliest times to 1500, including East Asia, Southeast Asia, and South Asia. (Identical with Asian Studies 241.)  
  Daily 1:10-2:25

- **281 Introduction to American History (3)**  
  R.L. Rapson  
  An interpretive survey of United States history from the earliest settlements to 1877.  
  Daily 10:10-11:25

- **282 Introduction to American History (3)**  
  C.B. Cowing  
  Interpretive survey of U.S. history from 1877 to present.  
  Daily 11:35-12:50

- **396 History Colloquium (3)**  
  D.M. Ladd  
  Special problems in history; extensive, such as consequences of industrialism, or intensive, such as the causes of the American Revolution. Pre: consent of instructor. Recommended for honors students. May be repeated. (Summer Session topic: Woman: The "Other" Sex in History)  
  TTh 9:00-12:00

- **401 History of South Asia (3)**  
  J.P. Sharma  
  General historical survey of India, Pakistan, Ceylon from earliest times to 1000 A.D.  
  Daily 1:10-2:25
### FIRST TERM

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>402</td>
<td>History of South Asia (3)</td>
<td>J.P. Sharma</td>
</tr>
<tr>
<td></td>
<td>General historical survey of India, Pakistan, and Ceylon from 1000 A.D. to present.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Daily 2:35-3:50</td>
<td></td>
</tr>
<tr>
<td>406</td>
<td>History of Southeast Asia (3)</td>
<td>T.B. Lam</td>
</tr>
<tr>
<td></td>
<td>Historical survey of Southeast Asian civilizations and states, including Burma, Thailand, Laos, Cambodia, Vietnam, Malaysia, Indonesia and Philippines.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Daily 8:45-10:00</td>
<td></td>
</tr>
<tr>
<td>410</td>
<td>History of China (3)</td>
<td>D.W.Y. Kwok</td>
</tr>
<tr>
<td></td>
<td>Course of Chinese civilization from 1644 to present.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Daily 7:20-8:35</td>
<td></td>
</tr>
<tr>
<td>418</td>
<td>History of Korea (3)</td>
<td>Y.H. Choe</td>
</tr>
<tr>
<td></td>
<td>Detailed political, economic and social survey of Korean history since 1400.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Daily 10:10-11:25</td>
<td></td>
</tr>
<tr>
<td>438</td>
<td>French Revolution, 1789-1815 (3)</td>
<td>R.E. Cubberly</td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Daily 10:10-11:25</td>
<td></td>
</tr>
<tr>
<td>446</td>
<td>History of France (3)</td>
<td>R.E. Cubberly</td>
</tr>
<tr>
<td></td>
<td>Major political, social, economic, and intellectual trends in evolution of France from the Revolution to the Fifth Republic.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Daily 11:35-12:50</td>
<td></td>
</tr>
<tr>
<td>450</td>
<td>History of Russia (3)</td>
<td>R.A. Wade</td>
</tr>
<tr>
<td></td>
<td>Survey of development of Russian thought and institutions, and of territorial expansion. Impact of revolutionary changes. From mid-19th century to present. Listed as course for Russian Studies Certificate.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Daily 8:45-10:00</td>
<td></td>
</tr>
<tr>
<td>457</td>
<td>The Russian Revolution (3)</td>
<td>R.A. Wade</td>
</tr>
<tr>
<td></td>
<td>The causes of the revolution, the revolutionary movements, the February and October revolutions, the Civil War.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Daily 11:35-12:50</td>
<td></td>
</tr>
<tr>
<td>461</td>
<td>Colonial America to 1790 (3)</td>
<td>C.B. Cowing</td>
</tr>
<tr>
<td></td>
<td>Transit of European culture of North America, independence, Constitution.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Daily 8:45-10:00</td>
<td></td>
</tr>
<tr>
<td>482</td>
<td>American Thought and Culture (3)</td>
<td>R.L. Rapson</td>
</tr>
<tr>
<td></td>
<td>Advanced course in American social customs, institutions, intellectual pursuits.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Daily 11:35-12:50</td>
<td></td>
</tr>
<tr>
<td>496</td>
<td>Senior Tutorial (4)</td>
<td>G.R. Nunn</td>
</tr>
<tr>
<td></td>
<td>Analysis of sources and evaluation of methods of historical writing. Research in field of special interest. Required for majors, except those in honors program.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TTh 1:00-4:00</td>
<td></td>
</tr>
<tr>
<td>499</td>
<td>Directed Reading (v)</td>
<td>Staff</td>
</tr>
</tbody>
</table>

### SECOND TERM

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>241</td>
<td>Civilizations of Asia (3)</td>
<td>V.D. Morris</td>
</tr>
<tr>
<td></td>
<td>Historical survey of major civilizations of Asia from earliest times to 1500, including East Asia, Southeast Asia, and South Asia. (Identical with Asian Studies 241)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Daily 10:10-11:25</td>
<td></td>
</tr>
<tr>
<td>242</td>
<td>Civilizations of Asia (3)</td>
<td>S. Thomson</td>
</tr>
<tr>
<td></td>
<td>Historical survey of major civilizations of Asia from 1500 to present, including East Asia, Southeast Asia, and South Asia. (Identical with Asian Studies 242)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Daily 11:35-12:50</td>
<td></td>
</tr>
<tr>
<td>342</td>
<td>Civilizations of East Asia (3)</td>
<td>M. Shinoda</td>
</tr>
<tr>
<td></td>
<td>(2 sections)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>An accelerated 3-week historical survey of the civilizations of modern China, Japan and Korea from the mid-nineteenth century to the present, designed especially for students planning to enroll in study tours of East Asia. Lectures will be supplemented with film and slide showings and with discussion sessions.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Daily (1) 7:20-8:35</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(2) 10:10-11:25</td>
<td></td>
</tr>
<tr>
<td></td>
<td>June 25-July 13</td>
<td></td>
</tr>
<tr>
<td>413</td>
<td>History of Japan (3)</td>
<td>V.D. Morris</td>
</tr>
<tr>
<td></td>
<td>Historical survey of Japanese culture, government, economics, institutions from earliest times to 1600.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Daily 7:20-8:35</td>
<td></td>
</tr>
<tr>
<td>424</td>
<td>History of the Hawaiian Islands (3)</td>
<td>Staff</td>
</tr>
<tr>
<td></td>
<td>General course, but with some detail. Emphasis on period of monarchy. Interchangeable credit: Asian, Pacific or American.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Daily 11:35-12:50</td>
<td></td>
</tr>
<tr>
<td>488</td>
<td>History of Latin America (3)</td>
<td>C. Kroeber</td>
</tr>
<tr>
<td></td>
<td>Political, economic, social development of Latin American republics.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Daily 10:10-11:25</td>
<td></td>
</tr>
<tr>
<td>491</td>
<td>Cuba Under Castro (3)</td>
<td>C. Kroeber</td>
</tr>
<tr>
<td></td>
<td>Cuba in the 20th century, emphasizing the changes in society that have followed in the wake of the 1959 revolution.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Daily 1:10-2:25</td>
<td></td>
</tr>
<tr>
<td>499</td>
<td>Directed Reading (v)</td>
<td>Staff</td>
</tr>
<tr>
<td></td>
<td>Hrs. arr.</td>
<td></td>
</tr>
<tr>
<td>725</td>
<td>Contemporary China Seminar (3)</td>
<td>S. Uhalley, Jr.</td>
</tr>
<tr>
<td></td>
<td>Topical studies of contemporary China including attention to significant historical antecedents. Pre: 409-410. (Identical with Asian Studies 601.)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TTh 9:00-12:00</td>
<td></td>
</tr>
<tr>
<td>799</td>
<td>Directed Research (v)</td>
<td>Staff</td>
</tr>
<tr>
<td></td>
<td>Hrs. arr.</td>
<td></td>
</tr>
</tbody>
</table>

### THIRD TERM

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>151</td>
<td>World Civilization (3)</td>
<td>W.A. Ernest</td>
</tr>
<tr>
<td></td>
<td>A survey of the more significant political, social, economic, and intellectual factors in the development of civilization of the world</td>
<td></td>
</tr>
</tbody>
</table>
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) W.A. Ernest
Continuation of the history of world civilization from the seventeenth century to the present day.
DAILY 10:10-11:25 plus lab
Labs 1-2 M 1:00-2:15
Labs 3-4 T 1:00-2:15
Labs 5-6 W 1:00-2:15
Labs 7-8 Th 1:00-2:15

242 Civilizations of Asia (3) S.C. Thompson
Historical survey of major civilizations of Asia from 1500 to present, including East Asia, Southeast Asia, and South Asia. (Identical with Asian Studies 242.)
DAILY 8:45-10:00

408 Social History of China (3) W. Eberhard
Social history of China from 1000 A.D., including attention to minority peoples.
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 1:10-2:25

414 History of Japan (3) P. Duus
Historical survey of Japanese culture, government, economics, institutions. From 1600 to present.
DAILY 8:45-10:00

440 Europe Since Versailles (3) A.W. Saville
Problems of contemporary Europe and their historical background.
DAILY 10:10-11:25

444 History of Germany (3) A.W. Saville
Major political, social, economic and intellectual trends in evolution of Germany from the Bismarckian and Wilhelminian period through post-1945.
DAILY 1:10-2:25

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

THIRD 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.
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-semester 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-semester load, course is limited to sophomores and above not on probation. Pre: permission of Liberal Studies Director and appropriate faculty adviser.
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-semester 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-semester load, course is limited to sophomores and above not on probation. Pre: permission of Liberal Studies Director and appropriate faculty adviser.
Hrs. arr.

THIRD 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-semester load, course is limited to sophomores and above not on probation. Pre: permission of Liberal Studies Director and appropriate faculty adviser.
Hrs. arr.
HUMAN RESOURCES 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)  M. Troxell
Dynamics of fashion; environmental factors influencing fashion demand; analysis of trends. History, structure and terminology of the fashion industry. Daily 10:10-11:25

216 Fashion Design and Sketching (3)  D. Chung
Development of apparel design through sketching the fashion figure. Daily 8:45-10:00

329 Field Experience (3)  M. Troxell
Minimum of eight weeks' full time supervised internship in the fashion industry; comprehensive terminal report required. Pre: 328 and consent of instructor. Hrs. arr.

SECOND TERM

215 Block Pattern Design (3)  D. Chung
Principles of pattern making for women's apparel through manipulation of quarter size pattern blocks. Pre: 113 and non-majors only. Daily 10:10-11:25

Food and Nutritional Sciences (FN)

FIRST TERM

499 Directed Research (v)  Staff
699 Directed Research (v)  Staff

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 two laboratory periods per week. Pre: basic food course (FSA 181 or FN 275). Laboratory fee $20.00.
M 10:10-12:10
Lab (1) TTh 10:10-12:10  (2) WF 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 during the life cycle; pregnancy and lactation, childhood, adolescence, and adulthood. (3) Special problems in nutrition of adolescents. Designed primarily for teachers, but also valuable for workers in health related fields. Daily 8:45-10:00

499 Directed Research (v)  Staff
699 Directed Research (v)  Staff

THIRD TERM

499 Directed Research (v)  Staff
699 Directed Research (v)  Staff

Food Service Administration (FSA)

FIRST TERM

499 Directed Research (v)  Staff
699 Directed Research (v)  Staff

SECOND TERM

499 Directed Research (v)  Staff
699 Directed Research (v)  Staff

THIRD TERM

499 Directed Research (v)  Staff
699 Directed Research (v)  Staff

Home Economics (HE)

FIRST TERM

499 Directed Reading and Research (v)  V. Dale
699 Directed Reading and Research (v)  V. Dale

SECOND TERM

499 Directed Reading and Research (v)  V. Dale
699 Directed Reading and Research (v)  V. Dale

THIRD TERM

499 Directed Reading and Research (v)  V. Dale
699 Directed Reading and Research (v)  V. Dale
Human Development (HD)

FIRST TERM

207 Shifting Sex-Roles in Contemporary Societies (3)
A. Niyekawa-Howard
Biological and cultural bases of sex-role differentiation; political, economic, and professional implication; influence on self-concept.
Daily 8:45-10:00

231 Introduction to Human Development I (3)
A. Niyekawa-Howard
Principles of development from conception to puberty. Emphasis on impact of family interaction; practical and social implications of existing knowledge from behavioral sciences. Observation of situations involving children.
Daily 10:10-11:25

232 Introduction to Human Development II (3)
T. Lenzer
Principles of development from puberty to death. Focus on the interrelation of physical, cognitive, and social-emotional aspects of the individual. Observations of situations involving older adults.
231 and 232 need not be taken in sequence.
Daily 8:45-10:00

334 Group Work with Children (3)
B.J. Mendenhall
Principles underlying group work with children. Understanding human growth and interpersonal relationship and maximizing use of environment. Major focus: analysis and program planning.
Daily 10:10-11:25

345 Group Leadership (3)
K. Larsen
Sociological and psychological concepts pertaining to individual motivation and internal and external group forces. Application of group techniques to planning and conducting activities related to human resources development.
Daily 11:35-12:50

430 Work with Parents (3)
B.J. Mendenhall
Study of parental behavior as function of individual personality and cultural and social context. Interpretation of research in behavioral sciences with view to policy and practices of working with parents. Field experience with parent groups in local community.
Daily 8:45-10:00

Nutrition (Nutr)

FIRST TERM

499 Directed Research (v)
Staff

699 Directed Research (v)
Staff

800 Thesis (v)
Staff

SECOND TERM

499 Directed Research (v)
Staff

699 Directed Research (v)
Staff

800 Thesis (v)
Staff

THIRD TERM

499 Directed Research (v)
Staff

699 Directed Research (v)
Staff

800 Thesis (v)
Staff

INDO-PACIFIC LANGUAGES

General (IP)

FIRST TERM

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.

THIRD TERM

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.

Bengali (Beng)

FIRST TERM

111 Intensive Elementary Bengali (6)
Staff
Intensive course equivalent to Elementary Bengali in academic year. Includes all four skills: listening, speaking, reading and writing. The 9-week course meets for a total of 150 hours with additional daily laboratory work required. June 4-August 3
Daily 1:10-4:45 plus laboratory

112 Intensive Intermediate Bengali (6)
Staff
Intensive course equivalent to Intermediate Bengali in academic year. Includes all four skills: listening, speaking, reading and writing. The 9-week course meets for a total of 150 hours with additional daily laboratory work required. Pre: 111 or equivalent.
June 4-August 3
Daily 7:45-11:25 plus laboratory

303 Intensive Third Bengali (6)
Staff
Intensive course equivalent to Third-Level Bengali in academic year. Sequential to the intermediate course; emphasis on vocabulary building and mastery of sentence structures through reading and conversation. Pre: 112 or equivalent.
June 4-August 3
Daily 1:35-3:25

Burmese (Burm)

FIRST TERM

111 Intensive Elementary Burmese (6)
Staff
Intensive course equivalent to Elementary Burmese in academic year. Includes all four skills: listening, speaking, reading and writing. The 9-week course meets for a total of 150 hours with additional daily laboratory work required. June 4-August 3
Daily 8:45-12:50 plus laboratory

112 Intensive Intermediate Burmese (6)
Staff
Intensive course equivalent to Intermediate Burmese in academic year. Includes all four skills: listening, speaking, reading and writing. The 9-week course meets for a total of 150 hours with additional daily laboratory work required. Pre: 111 or equivalent.
June 4-August 3
Daily 8:45-12:50 plus laboratory
Hawaiian (Haw)

FIRST TERM
101 Elementary Hawaiian (3) Staff
Development of listening, speaking, reading, writing. Structural points introduced inductively. Daily laboratory work. Daily 8:45-10:50 plus laboratory

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

THIRD TERM
102 Elementary Hawaiian (3) Staff
Continuation of 101; equivalent of second semester's work in academic year. Language lab practice required daily. Daily 8:45-10:50 plus laboratory

202 Intermediate Hawaiian (4) Staff
Continuation of 201; equivalent of second semester's work in academic year. Language lab practice required daily. Daily 8:45-10:50 plus laboratory

Ilokano (Ilo)

FIRST TERM
111 Intensive Elementary Ilokano (6) Staff
Intensive course equivalent to Elementary Ilokano in academic year. Includes all four skills: listening, speaking, reading and writing. The 6-week course meets for a total of 150 hours with additional daily laboratory work required. Daily 7:20-10:00 plus laboratory

203 Intensive Third Ilokano (6) Staff
Intensive course equivalent to Third-Level Ilokano in academic year. Sequential to the intermediate course; emphasis upon vocabulary building and mastery of sentence structures through reading and conversation. Pre: 112 or equivalent. Daily 10:10-12:50 plus laboratory

THIRD TERM
112 Intensive Intermediate Ilokano (6) Staff
Intensive course equivalent to Intermediate Ilokano in academic year. Includes all four skills: listening, speaking, reading and writing. The 9-week course meets for a total of 150 hours with additional daily laboratory work required. Pre: 111 or equivalent. Daily 8:45-12:50 plus laboratory

Indonesian (Ind)

FIRST TERM
111 Intensive Elementary Indonesian (6) Staff
Intensive course equivalent to Elementary Indonesian in academic year. Includes all four skills: listening, speaking, reading and writing. The 6-week course meets for a total of 150 hours with additional daily laboratory work required. Daily 7:20-10:00; 12:00-2:25 plus laboratory

303 Intensive Third Indonesian (6) Staff
Intensive course equivalent to Third-Level Indonesian in academic year. Sequential to the intermediate course; emphasis upon vocabulary building and mastery of sentence structures through reading and conversation. Pre: 112 or equivalent. Daily 10:10-12:50 plus laboratory

THIRD TERM
112 Intensive Intermediate Indonesian (6) Staff
Intensive course equivalent to Intermediate Indonesian in academic year. Includes all four skills: listening, speaking, reading and writing. The 6-week course meets for a total of 150 hours with additional daily laboratory work required. Pre: 111 or equivalent. Daily 7:20-10:00; 12:00-2:25 plus laboratory

Lao (Lao)

FIRST TERM
111 Intensive Elementary Lao (6) Staff
Intensive course equivalent to Elementary Lao in academic year. Includes all four skills: listening, speaking, reading and writing. The 9-week course meets for a total of 150 hours with additional daily laboratory work required. June 4-August 3 Daily 7:45-11:25 plus laboratory

THIRD TERM
112 Intensive Intermediate Lao (6) Staff
Intensive course equivalent to Intermediate Lao in academic year. Includes all four skills: listening, speaking, reading and writing. The 9-week course meets for a total of 150 hours with additional daily laboratory work required. Pre: 111 or equivalent. June 4-August 3 Daily 8:45-12:50 plus laboratory

Samoan (Sam)

FIRST TERM
111 Intensive Elementary Samoan (6) Staff
Intensive course equivalent to Elementary Samoan in academic year. Includes all four skills: listening, speaking, reading and writing. The 9-week course meets for a total of 150 hours with additional daily laboratory work required. Pre: 111 or equivalent. Daily 7:20-10:00; 12:00-2:25 plus laboratory

Tagalog (Tag)

FIRST TERM
111 Intensive Elementary Tagalog (6) Staff
Intensive course equivalent to Elementary Tagalog in academic year. Includes all four skills: listening, speaking, reading and writing. The 6-week course meets for a total of 150 hours with additional daily laboratory work required. Daily 7:20-10:00; 12:00-2:25 plus laboratory

THIRD TERM
112 Intensive Intermediate Tagalog (6) Staff
Intensive course equivalent to Intermediate Tagalog in academic year. Includes all four skills: listening, speaking, reading and writing. The 6-week course meets for a total of 150 hours with additional daily laboratory work required. Pre: 111 or equivalent. Daily 7:20-10:00; 12:00-2:25 plus laboratory

Tahitian (Tah)

FIRST TERM
111 Intensive Elementary Tahitian (6) Staff
Intensive course equivalent to Elementary Tahitian in academic year. Includes all four skills: listening, speaking, reading and writing. The 9-week course meets for a total of 150 hours with additional daily laboratory work required. June 4-August 3 Daily 8:45-12:50 plus laboratory
Tongan (Tong)

FIRST TERM

111 Intensive Elementary Tongan (6) Staff
Intensive course equivalent to Elementary Tongan in academic year. Includes all four skills: listening, speaking, reading and writing. The 9-week course meets for a total of 150 hours with additional daily laboratory work required. June 4-August 3
Daily 8:45-11:25; 1:35-2:25 plus laboratory

Vietnamese (Viet)

FIRST TERM

111 Intensive Elementary Vietnamese (6) Staff
Intensive course equivalent to Elementary Vietnamese in academic year. Includes all four skills: listening, speaking, reading and writing. The 9-week course meets for a total of 150 hours with additional daily laboratory work required. June 4-August 3
Daily 8:45-11:25; 1:35-2:25 plus laboratory

112 Intensive Intermediate Vietnamese (6) Staff
Intensive course equivalent to Intermediate Vietnamese in academic year. Includes all four skills: listening, speaking, reading and writing. The 9-week course meets for a total of 150 hours with additional daily laboratory work required. Pre: 111 or equivalent. June 4-August 3
Daily 1:10-4:45 plus laboratory

303 Intensive Third Vietnamese (6) Staff
Intensive course equivalent to Third-Level Vietnamese in academic year. Sequential to the intermediate course; emphasis upon vocabulary building and mastery of sentence structures through reading and conversation. Pre: 112 or equivalent. June 4-August 3
Daily 10:10-12:25

404 Intensive Fourth Vietnamese (6) Staff
Intensive course equivalent to Fourth-Level Vietnamese in academic year. Sequential to the third-level course; extensive reading and oral discussion based on advanced texts. Pre: 303 or equivalent. June 4-August 3
Daily 10:10-12:25

INFORMATION SCIENCES (ISc)

FIRST TERM

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

466 Computer Organization and Programming Techniques (4) L. Wear
Organization and machine language of typical computers. Machine language programming techniques. Introduction to operating systems. Introduction to data structures, sorting, retrieving data from files of information. Pre: knowledge of some general programming language, such as FORTRAN, PL/I, or COBOL.
Daily 8:45-10:00

693 Microprogramming (3) L. Wear
General concept of microprogramming for minicomputers and large computers. Semiconductor technology and future applications of microprogramming.
Daily 10:10-11:25

THIRD TERM

301 Computers and Information Sciences (3) D. Streveler
65
Daily 10:10-11:25

491 Introduction to APL Programming (2) C. Wall
Introductory APL programming taught mainly through the use of computer terminals in an interactive fashion.
Daily 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
615 Building Library Collections (3) Y. Suzuki
Criteria for evaluating and selecting library materials, devising and maintaining an acquisition program, and the structure of the book trade. Findings of studies of library use are drawn upon where applicable. Pre: 601. June 4-June 22
Daily 7:30-10:00

670 Literature Searching and Documentation (3) J. Abrera
The special intellectual and mechanical tools for storage, searching, reproduction, and transmission of information. Deals with the audience and materials of documentation. Of particular value to service in special research and large public and university libraries. June 4-June 22
Daily 10:15-12:45

716 International Publishing and Bibliography (3) S. Vann
A survey of the problems of selecting and acquiring foreign materials for the collections of American and Asian libraries. Covers publishing programs of international organizations, such as the United Nations, international agreements affecting the acquisitions programs of libraries, and the roles of the book trade and the book trade. Findings of studies of library use are drawn upon where applicable. Pre: 601. June 4-June 22
Daily 7:30-10:00

SECOND 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 methods and techniques for locating information in general reference sets, specific fact sources, periodical indexes, abstract series; analytical and searching procedures for simple inquiries. June 4-June 22
Daily 10:15-12:45

605 Basic Cataloging and Classification (3) J. Abrera
Designed as an introduction to cataloging in the research or large general library and as a terminal course in cataloging for the school or small popular library. Covers principles and practice of descriptive cataloging, the structure and application of the Dewey Decimal Classification and Sears' List of Subject Headings, and the use of printed cards. June 25-July 13
Daily 10:15-12:45

640 Topics in Linguistics: Problems in Phonological Theory (3) I. Howard
Selected topics in phonological theory. Pre: 621 or equivalent. Daily 10:15-12:45

LINGUISTICS (Ling)

FIRST TERM
102 Introduction to the Study of Language (3) I. Howard
Nature and workings of language; its role in culture and history. Daily 10:10-11:25

410 Articulatory Phonetics (3) C.W. Kim
Intensive training in recognition, reproduction, recording of speech sounds throughout the world; preparing students for field work, especially with unrecorded languages. Daily 8:45-10:00

640 Topics in Linguistics: Problems in Phonological Theory (3) I. Howard
Selected topics in phonological theory. Pre: 621 or equivalent. Daily 1:10-2:25

800 Thesis Research (v) Staff
Pre: graduate standing, consent of instructor. Hrs. arr.

SECOND TERM
414 Introduction to Linguistic Anthropology (3) Staff
Introduction to the ethnographic study of speech and language. Pre: written consent of instructor. (Same as Anth 414) Daily 11:35-12:50

THIRD 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 or consent of instructor. Daily 1:10-2:25

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

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

800 Thesis Research (v) Staff
MATHEMATICS (Math)

**FIRST TERM**

100 Survey of Mathematics (3)  E. Bertram, C. Brase
(3 sections)
Selected topics designed to acquaint non-specialists with examples of mathematical reasoning.
Daily (1) 8:45-10:00 (Bertram)
(2) 10:10-11:25 (Brase)
(3) 11:35-12:50 (Brase)

111 Introduction to Mathematics (3)  R. Colby, S. Fakhruddin
(4 sections)  J. Johnson, E. Spielvogel
Study of concepts and properties of number systems. (Primarily for education majors.)
Daily (1) 7:20-8:35 (Johnson)
(2) 8:45-10:00 (Colby)
(3) 10:10-11:25 (Spielvogel)
(4) 11:35-12:50 (Fakhruddin)

201 Finite Mathematics (3)  B. Wells
Algebra of sets, elementary probability theory, vectors and matrices, linear programming, theory of games. Pre: 134 or equivalent.
Daily 10:10-11:25

232 Calculus IV (3)  R. Colby, S. Kranzler
(2 sections)
Multiple integrals, surface integrals, first and second order ordinary differential equations, linear equations with constant coefficients.
Pre: 231 or consent of instructor.
Daily (1) 7:20-8:35 (Kranzler)
(2) 10:10-11:25 (Colby)

251 Informal Geometry (3)  S. Fakhruddin
Informal treatment of non-metric relationships, congruence and similarity, polygons and polyhedrons, transformations. (Primarily for elementary education majors.) Pre: 111 or equivalent.
Daily 8:45-10:00

371 Elementary Probability Theory (3)  J. Johnson, R. Little
(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.
Daily (1) 7:20-8:35 (Little)
(2) 8:45-10:00 (Johnson)

402 Partial Differential Equations (3)  D. Kibler
Daily 8:45-10:00

403 Methods of Applied Mathematics (3)  T. Hoover
Daily 11:35-12:50

451 Projective Geometry (3)  H. Hilden
Postulational approach to synthetic and analytic projective geometry; homogeneous coordinates, Desargues' theorem, harmonic sets; collineations of points, concurrence of lines, duality principle, introduction to non-Euclidean geometries. Pre: 311 or consent of instructor.
Daily 11:35-12:50

**SECOND TERM**

134 Pre-Calculus Mathematics (4)  F. Gilfeather, E. Mookini, N. Nobusawa, K. Rogers
(4 sections)
Algebraic operations as applied to elementary functions and equations; graphs; trigonometric functions; lines and conics. Pre: two years of high school algebra and one year of plane geometry. In addition every student is required to take a screening examination to test whether he has sufficient skill in algebra. Examination is given in the first class meeting. June 25-August 24
Daily (1) 7:20-8:35 (Mookini)
(2) 8:45-10:00 (Gilfeather)
(3) 10:10-11:25 (Rogers)
(4) 11:35-12:50 (Nobusawa)

205 Calculus I (3)  R. Clark, W. Lee, E. Mookini
(4 sections)
Basic concepts; differentiation and integration of algebraic functions with applications. Pre: C in 134 or in equivalent courses covering trigonometry and analytic geometry. June 25-August 24
MTWF (1) 7:20-8:35 (Clark)
(2) 8:45-10:00 (Mookini)
(3) 10:10-11:25 (Clark)
(4) 11:35-12:50 (Lee)

206 Calculus II (3)  G. Csordas, F. Iha, K. Rogers
(3 sections)
Derivatives and integrals of trigonometric, exponential, logarithmic and hyperbolic functions; techniques of integration; infinite series. Pre: C in 205 or equivalent. June 25-August 24
MTWF (1) 7:20-8:35 (Iha)
(2) 8:45-10:00 (Rogers)
(3) 11:35-12:50 (Csordas)

231 Calculus III (3)  A. Mader
(2 sections)
Power series, vector-oriented study of functions of several variables; partial differentiation and line integrals. Pre: C in 206 or equivalent. June 25-August 24
MTWF (1) 7:20-8:35 (Mader)
(2) 8:45-10:00 (Mader)

311 Introduction to Linear Algebra (3)  F. Iha, J. Williamson
(2 sections)
MTWF (1) 8:45-10:00 (Williamson)
(2) 10:10-11:25 (Iha)

412 Introduction to Abstract Algebra (3)  N. Nobusawa
Introduction to basic algebraic structures including groups, rings, fields. Pre: 311. June 25-August 24
MTWF 10:10-11:25

442 Vector Analysis (3)  J. Siu
MTWF 10:10-11:25

**THIRD TERM**

060 Algebra (0)  D. Koehler
Elementary and intermediate algebra, emphasizing concepts of function, identity, equation. Equivalent to 3 credits.
Daily 8:45-10:00

100 Survey of Mathematics (3)  C. Davis
(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
MEDICAL TECHNOLOGY

FIRST TERM

251 Introduction to Medical Technology II (2) J. Kuroda
Designed to acquaint student with basic principles of medical technology. Pre: one semester of college chemistry and sophomore standing or consent of instructor.
MWF 9:30-10:20
Laboratory TTh 9:30-12:30

366 Internship (2) Staff
Pre: 397, 398.
Hrs. arr.

476 Foreign Compound Detection (3) N. Bhagavan, N. Kawamura
Principles of specific identification and quantitative determination of foreign compounds and their metabolites along with normal counterparts wherever found. Pertinent laboratory experiments to illustrate principles. Pre: medical technology experience or equivalent biochemistry background; or consent of instructor.
T 7:00-9:00 p.m. (Bhagavan)
Th 6:00-10:00 p.m. (Kawamura)

METEOROLOGY (Met)

FIRST TERM

799 Directed Research (v) Staff
Hrs. arr.

SECOND TERM

101 Climate, Weather and the Atmosphere (4) C. Adams, P. Daniels, R. Taylor
An introduction to physical science for the non-science major, using the atmosphere as the medium to show physical processes of the world around us. Encompasses earth-sun relationships, ocean-atmosphere interactions, satellite observations, some comparisons with atmospheres of other planets, optical and electrical properties, local climate of Hawaii.
MTWTh 10:10-11:25 F 8:45-11:25 (Lab)

799 Directed Research (v) Staff
Hrs. arr.

THIRD TERM

799 Directed Research (v) Staff
Hrs. arr.

MICROBIOLOGY (Micro)

FIRST TERM

130 General Microbiology (3) L. Berger
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 10:10-11:25

351 Procaryotic Biology (4) J. Hall
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; Math 205 desirable.
Daily 8:45-10:00 Laboratory MWF 10:10-12:40
699 Directed Research (v)  
Selected problems in microbiology. Pre: consent of instructor.

800 Thesis Research (v)  
Staff

SECOND TERM

699 Directed Research (v)  
Selected problems in microbiology. Pre: consent of instructor.

795 Microbial Development (3)  
H. Hohl
Basic mechanisms of microbial development are outlined by in-depth analysis of several selected microbial systems, such as, the phages, the bacterial endospore, the cellular slime molds, and the fungus-Phytophthora. Pre: undergraduate major in biological sciences, with permission of instructor, or graduate standing in a biological science.
Daily 8:45-10:00

800 Thesis Research (v)  
Staff

THIRD TERM

130 General Microbiology (3)  
A. Benedict
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 10:10-11:25

699 Directed Research (v)  
Selected problems in microbiology. Pre: consent of instructor.

800 Thesis Research (v)  
Staff

MUSIC (Mus)

FIRST TERM

140 Recreational Music (2)  
R. Lum
Elementary music skills including instruction on ukulele. For recreation majors but open to others.
Daily 11:35-12:25

151 String Methods (2)  
L. Krantz
For students preparing to teach instrumental music. Performance techniques, materials and pedagogy for string instruments.
Daily 10:10-11:00

155 Percussion Methods (2)  
L. Russell
Similar to 151.
Daily 10:10-11:00

160 Introduction to Music Literature (3)  
E. Spielman
Elements, styles and forms of music from listener's point of view.
Daily 7:20-8:35

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. June 4-June 22
Daily 8:45-10:25

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 7:20-9:00
**Applied Music**

115 First-Level Secondary Piano (1)  
B. Adler  
Study of piano as secondary performance field including application of music theory to problems in improvising, harmonizing, creating accompaniments, transposing and sight-reading at keyboard. For music majors.  
Daily 9:10-10:00

125 Elementary Piano Class (1)  
B. Adler  
Basic principles of piano performance. Relevant problems in piano literature at elementary level.  
Daily 10:10-11:00

131, 231, 431 Individual Instruction (1)  
For non-music or music majors. May be repeated. Course fee $55. Hrs. arr.  
Registration at appropriate level to be determined by instructor.  
(11) Voice—Staff; (21) Piano—Staff; (33) Cello—B. LeBeck; (51) Trumpet—Staff; (52) French Horn—R. White; (71) Koto—K. Mikami; (78) South Indian Singing—G.R. Kassebaum; (91) Japanese Dance—T. Arai; (95) Okinawan Dance—Y. Nakasone.

**SECOND TERM**

140 Recreational Music (2)  
F. Uchima  
Elementary music skills including instruction on ukulele. For recreation majors but open to others.  
Daily 8:45-10:00

170 Music in World Culture (3)  
E.T. Kudo  
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 11:35-12:50

190 Dance in World Cultures (3)  
J. Van Zile  
An introduction to movement and dance with emphasis on Pacific and Asian cultures.  
Daily 7:20-8:35

370 Music in Modern America (3)  
B. Yasui  
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 Am St 370)  
Daily 10:10-11:25

398 Music, the Arts and Ideas (3)  
L. Rowell  
Interrelationships between music and the other arts, emphasizing literature and the visual arts; music in the history of ideas; musical values and esthetic judgements. Pre: 160, 170, 180 or consent of instructor.  
Daily 10:10-11:25

401(91) Hawaiian Ensemble (1)  
H. Cambra  
Pre: audition or consent of instructor.  
Daily 8:45-10:00

457 Asian and Pacific Music in Education (2)  
E. Tom  
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.  
June 25-July 13  
Daily 8:45-10:25

580 Theory Review (3)  
L. Rowell  
A comprehensive review of general musicianship: melodic, harmonic and formal analysis; writing; aural comprehension and music reading; application at the keyboard.  
Daily 7:20-8:35

**THIRD TERM**

153 Woodwind Methods (2)  
F. Uchima  
Similar to 151.  
Daily 10:10-11:00

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

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 7:20-9:00

266 History of Western Music After 1750 (3)  
R. Vaught  
Development of Western music from 1750 to the present. Styles, schools, composers. Pre: either 160, 170, 180, 181 or consent of instructor.  
Daily 11:35-12:50

326 Conducting (2)  
R. Hines  
Problems in directing instrumental and choral ensembles and organizations. Score reading, rehearsal techniques and basic interpretive problems. Pre: 182.  
Daily 7:45-9:00

456 Institute on Asian Music in Music Education (3)  
Staff  
Daily 8:45-10:25
PHILOSOPHY (Phil)

FIRST TERM

100 Introduction to Philosophy (3) L. Goodman
Problems, methods, fields of philosophy.
Daily 10:10-11:25

200 History of Philosophy I (3) R. Moore
Western philosophy from era of great Greek thinkers to Renaissance.
Daily 1:10-2:25

210 Introduction to Logic (3) R. Wargo
Principles of modern deductive logic.
Daily 8:45-10:00

225 Early Greek Thought (3) A. Burns
Comprehensive study of the evolution of early Greek thought from its beginnings through Aristotle as expressed in mythology, literature, science, and philosophy. (Cross-listed as EL 225)
Daily 8:45-10:00

315 Ethical Theory (3) R. Moore
Comparative analysis of ethical theory in theological, legal, literary, scientific, social, as well as philosophical sources indicating relevance of ethical theory to processes of decision making.
Daily 10:10-11:25

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

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.

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.

THIRD 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.

OCEANOGRAPHY (Ocean)

FIRST TERM

201 Science of the Sea I (3) S. Margolis
Descriptive introduction to oceanography; structure and formation of ocean basins and their characteristic features; properties of seawater, distribution of temperature and dissolved substances in the ocean; ocean currents; waves; tides; characteristics of the biotic community and interrelationships with the environment; flow of energy and matter in the food web; man and the sea. Field trip to Coconut Island, Kaneohe Bay, required.
MTThF 10:10-11:25

699 Directed Research (v) K. Wyrtki
Pre: consent of instructor

SECOND TERM

699 Directed Research (v) K. Wyrtki
Pre: consent of instructor.

PACIFIC ISLANDS PROGRAM (PIP)

FIRST TERM

699 Directed Research (v) Staff

SECOND TERM

699 Directed Research (v) Staff

THIRD TERM

699 Directed Research (v) Staff

Applied Music

116 First-Level Secondary Piano (1) E. Shipwright
Continuation of 115.
Daily 9:10-10:00

125 Elementary Piano Class (1) E. Shipwright
Basic principles of piano performance. Relevant problems in piano literature at elementary level.
Daily 7:45-8:35

126 Elementary Piano Class (1) B. Adler
Continuation of 125.
Daily 11:35-12:25

131, 431 Individual Instruction (1)
For non-music or music majors. May be repeated. Course fee $55.
Hrs. arr.
Registration at appropriate level to be determined by instructor.
(11) Voice—Staff; (21) Piano—Staff; (33) Cello—B. LeBeck; (51) Trumpet—Staff; (52) French Horn—R. White; (71) Koto—K. Mikami; (78) South Indian Singing—G. R. Kassebaum; (91) Japanese Dance—T. Arai; (95) Okinawan Dance—Y. Nakasone.

116 First-Level Secondary Piano (1) E. Shipwright
Continuation of 115.
Daily 9:10-10:00

125 Elementary Piano Class (1) E. Shipwright
Basic principles of piano performance. Relevant problems in piano literature at elementary level.
Daily 7:45-8:35

126 Elementary Piano Class (1) B. Adler
Continuation of 125.
Daily 11:35-12:25

131, 431 Individual Instruction (1)
For non-music or music majors. May be repeated. Course fee $55.
Hrs. arr.
Registration at appropriate level to be determined by instructor.
(11) Voice—Staff; (21) Piano—Staff; (33) Cello—B. LeBeck; (51) Trumpet—Staff; (52) French Horn—R. White; (71) Koto—K. Mikami; (78) South Indian Singing—G. R. Kassebaum; (91) Japanese Dance—T. Arai; (95) Okinawan Dance—Y. Nakasone.

116 First-Level Secondary Piano (1) E. Shipwright
Continuation of 115.
Daily 9:10-10:00

125 Elementary Piano Class (1) E. Shipwright
Basic principles of piano performance. Relevant problems in piano literature at elementary level.
Daily 7:45-8:35

126 Elementary Piano Class (1) B. Adler
Continuation of 125.
Daily 11:35-12:25

131, 431 Individual Instruction (1)
For non-music or music majors. May be repeated. Course fee $55.
Hrs. arr.
Registration at appropriate level to be determined by instructor.
(11) Voice—Staff; (21) Piano—Staff; (33) Cello—B. LeBeck; (51) Trumpet—Staff; (52) French Horn—R. White; (71) Koto—K. Mikami; (78) South Indian Singing—G. R. Kassebaum; (91) Japanese Dance—T. Arai; (95) Okinawan Dance—Y. Nakasone.
600 Problems of Philosophy: The Problems of the World (3)  
J. Mehta  
Persistent specific problems of philosophy, primarily those concerning nature, man, God. Pre: graduate standing; consent of instructor.  
Daily 11:35-12:50

SECOND TERM
100 Introduction to Philosophy (3)  
H. McCarthy  
Problems, methods, fields of philosophy.  
Daily 7:20-8:35

210 Introduction to Logic (3)  
E. Harter  
Principles of modern deductive logic.  
Daily 8:45-10:00

425 Philosophy in Literature (3)  
H. McCarthy  
Daily 10:10-11:25

460 Buddhist Philosophy (3)  
D. Kalupahana  
Survey of basic schools and tenets of Buddhist philosophy.  
Daily 8:45-10:00

THIRD TERM
100 Introduction to Philosophy (3)  
F. Bender  
Problems, methods, fields of philosophy.  
Daily 10:10-11:25

415 Philosophy of the Social Sciences (3)  
R. Assali  
Substantive methodological problems in current analyses of social sciences.  
Daily 11:35-12:50

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

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

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

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

PHYSICS (Phys)
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

101 Survey of Physics Laboratory (1)  
T. Osner  
Simple experiments in basic concepts of physics. Pre: credit or concurrent enrollment in 100 or 102.  
TF 11:35-2:25
PHYSIOLOGY (Physl)

FIRST TERM

<table>
<thead>
<tr>
<th>Course</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>800 Thesis Research (v)</td>
<td>Staff</td>
</tr>
<tr>
<td>699 Directed Research (v)</td>
<td>Staff</td>
</tr>
</tbody>
</table>

SECOND TERM

<table>
<thead>
<tr>
<th>Course</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>800 Thesis Research (v)</td>
<td>Staff</td>
</tr>
<tr>
<td>699 Directed Research (v)</td>
<td>Staff</td>
</tr>
</tbody>
</table>

POLITICAL SCIENCE (PolSe)

FIRST TERM

110(1) Introduction to Politics (3)  
D. Bwy
Among the many competing strategies for slicing up the subject matter of political science, perhaps the oldest—though not necessarily the wisest—approach involves the dichotomy which juxtaposes "the philosophy of the political association(s)" with "the empirical science of the political association(s)." This course will investigate both perspectives. The student will be asked to attend lectures aimed at demonstrating and describing these approaches, and eliciting from the course participants their own attempt at trying their hand at producing a bit of political science.
Daily 7:20-8:35

110(2) Introduction to Political Science (3)  
H. Kariel
Introduction to the study of political institutions and policies.
Daily 2:35-3:50

320 International Relations (3)  
W. Levi
An introduction to concepts, principles, theories and processes of international politics. The emphasis will be on an analysis of state behavior on the international scene and the possible roots of this behavior. Contemporary international problems will serve as illustrations and as case study for analysis.
Daily 8:45-10:00

330 Politics (3)  
I. Rohrer
Consideration of political conflicts, revolutions, and elections as expressions of social and psychological forces. What do democratic elections represent—a class struggle? What influences voting choices—like Richard Nixon's massive victory? What are the psychological underpinnings of the Chinese Revolution?
Daily 11:35-12:50

340 South and Southeast Asia (3)  
G.S. Cheema
In this course we will examine the political institutions and social structure of South and Southeast Asian states. Theoretical approaches generally accepted by political scientists to explain the political processes in the Third World will be discussed. Our main emphasis will be on India, Pakistan, Indonesia and the Philippines.
Daily 11:35-12:50

341 Japanese-Americans and Japanese (3)  
Y. Kuroda
This course is intended to compare the salient values and attitudes of the Japanese-Americans in Hawaii with those of the Japanese in Japan in order to examine the extent to which the Japanese-Americans have changed their values from the traditional values and attitudes of Japan. What is the nature of the Japanese-American culture in Honolulu? How is it different from that of Japan? What is the role of the Japanese-Americans in politics? These and other questions will be discussed.
Daily 10:10-11:25

350 Public Administration and Organization Theory (3)  
H. Friedman
Bureaucracy and anti-bureaucracy are counterpoint themes in this introduction to the study of organization theory as it applies to public agencies today and administrative trends for the future.
Daily 8:45-10:00

351 Comparative Development Administration (3)  
H. Friedman
The interaction of development theories and descriptions of conditions in the developing countries will provide a setting for discussions of the relation of administrative change to economic and social change, with emphasis on South and Southeast Asia.
Daily 11:35-12:50

640 Japanese Politics (3)  
Y. Kuroda
This introductory course on Japanese politics is for those who are interested in Japan as well as for those who are interested in comparative politics in general. We will discuss some of the current issues facing Japan such as: How sound is Premier Tanaka’s plan...
**POLITICAL SCIENCE**

to remodel the entire Japan? Is Khan correct in predicting the coming of the Japanese century? How can one explain Japan's miraculous economic growth? She now has more foreign exchange reserves than the United States.
Daily 8:45-10:00

730 International Relations: Scope and Methods (3) M. Haas
The course will survey the main problem areas within the study of international relations—foreign policy calculation, alliances, non-alignment, socialization, tools of statecraft, collective decision-making, integration, international law, international administration. deterrence, conflict resolution, international relations theory—focusing on the frontiers of the field.
Daily 10:10-11:25

**SECOND TERM**

110 Introduction to Political Science (3) M. Haas
The course will survey three problem areas within the study of politics—democracy, political development, and peace—as the foundations on which the discipline of political science rests.
Daily 1:10-2:25

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

305(1) Politics of Everyday Life in the Schools (3) M. Dixon
Course designed primarily for teachers. I will introduce a political perspective on school affairs at the classroom level. I will begin by considering a basic question: How can people act who think they know something someone else should or must know? To answer this question I will introduce some recent political concepts. I hope the format of the course will be open to discussion drawing freely from the personal experiences of the participants as well as some books I have ordered. The grades for the course will be based on two short theory projects.
Daily 10:10-11:25

305(2) Political Futuristics (3) J. Dator
An introduction to futuristics—the study, forecasting, design and realization of alternate socio-political values, environments, and organisms for the immediate, intermediate, and distant future. Primarily an undergraduate class, but GRADUATE STUDENTS WISHING TO STUDY FUTURISTICS SHOULD TAKE THIS COURSE FIRST, AND FOLLOW UP WITH THE GRADUATE COURSE, "ADVANCED FUTURISTICS" WHEN IT IS OFFERED LATER.
Daily 7:20-8:35

331 Schools and Political Socialization (3) D. Friedman
This course will be directed towards an understanding of the socialization of children into the political culture. We will discuss the cognitive-developmental framework for understanding socialization. Much of the reading in this area will be in the form of handouts—mainly of the work of Lawrence Kohlberg. Later we will study the effect of the American School System on children and contrasting methods of child socialization as typified in the Soviet Union and Israel.
Daily 1:10-2:25

333 American Government (3) J. Dator
Organization and functioning of American political system with an emphasis upon suggestions for reform and modernization.
Daily 8:45-10:00

345 Government and Politics of China (3) O. Lee
Evolution of the Chinese political system from 1949 to 1973, with special attention to the Party, the bureaucracy, the Army, the intelligentsia, and economic development, and the relationship of each of these with the masses.
Daily 11:35-12:50

350 Public Administration (3) Staff
Integrated introduction to public organization and management theory, administrative institutions and processes.
Daily 11:35-12:50

351(1) Organizations (3) D. Bwy
"Organizations" is a course devoted to pushing the frontier of inquiry in administrative and organizational theory to the level of comparative study. Businesses (Up the Organization), Mental Hospitals (One Flew Over the Cuckoo's Nest), Schools (Death at an Early Age), Public Bureaucracies (Mao Maving the Flak Catchers), and Prisons (The Glass Cage) will provide some of the substantive loci for the situation—specific examples and follow with.
Daily 8:45-10:00

640 Comparative Government and Politics (3) Staff
At least one section a semester, with focus on sections varying among East Asia, Southeast Asia, South Asia, Europe and development politics. (Frequent offerings of Asian sections scheduled.) Daily 8:45-10:00

**THIRD TERM**

110 Introduction to Political Science (3) Staff
Introduction to political problems, systems, ideologies, processes. Daily 8:45-10:00

305 Topics in Politics (3) M. Dixon
We will examine the opportunities and constraints for the pursuit of happiness in the daily life of Everyman. We will focus particularly on how general theories of politics define and relate the public and private parts of the polity. Everyone in the class will be expected to complete two short papers in political theory.
Daily 7:20-8:35

320 International Relations (3) Staff
Integrated introduction to international relations and organization.
Daily 8:45-10:00

325 Topics in International Relations (3) Staff
To be pre-announced each semester. Recent topics include: International Organization, South and Southeast Asian International Politics, U.S. Policy in Vietnam, American Foreign Policy, International Policies in East Asia, Coalition Formation and Alliance.
Daily 10:10-11:25

330 Policy Formation (3) Staff
Genesis, organization, expression, efficacy of political demands.
Daily 10:10-11:25

333 American Government (3) Staff
Organization and functioning of American political system.
Daily 11:35-12:50

340 Comparative Government and Politics (3) Staff
Integrated introduction to comparative political institutions and patterns.
Daily 8:45-10:00

602 Research Practicum (3) Staff
Introduction to statistical analysis from simple bivariate through multivariate analysis.
Daily 1:10-2:25
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) J. Carlson
Principles of human behavior, individual differences, motivation, emotion, perception, learning.
Daily 8:45-10:00

110 Psychology of Adjustment (3) M. Feldman
Understanding and improving adjustment; needs; frustrations, conflicts, anxiety, patterns of adjustment. Concepts of mental health.
Daily 8:45-10:00

113 Statistical Techniques (3) N. Wiggins, M. Murray
(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) 10:10-11:25 (Wiggins)
(2) 11:35-12:50 (Murray)

214 Learning and Motivation (3) I. Evans
Major conditions influencing learning and forgetting; the role of practice, reward, motivation, drive and emotion, theoretical interpretations of learning and motivation. Pre: 112.
Daily 7:20-8:35

215 Sensory Processes (3) R. Cole
Psychophysics; vision, audition, taste, smell. Pre: 112.
Daily 8:45-10:00

320 Developmental Psychology (3) R. Klein
Emotional, mental, physical, social development from infancy to adulthood; interests and abilities at different age levels. Pre: 100.
Daily 11:35-12:50

321 Psychology of Personality (3) A. Marsella
Scientific study of personality, its meaning, assessment, development, relation to cultural-social determinants. Pre: 100.
Daily 8:45-10:00

322 Social Psychology (3) M. Murray
Interpersonal relations; social attitudes; group dynamics; intergroup relations; class and cultural influences. Pre: 100.
Daily 10:10-11:25

401 Analysis of Behavior (3) J. Carlson
The theoretical and methodological views of B.F. Skinner and psychologists sympathetic to his position. The data and implications of the systematic study of the behavior of individual organisms. Pre: 112.
Daily 10:10-11:25

423 History of Psychology (3) H. Bitner
Background of modern psychology. Origin and development of contemporary points of view. Pre: 100.
Daily 11:35-12:50

424 Abnormal Psychology (3) M. Feldman
Nature and causes of psychoneuroses and psychoses; abnormalities of intelligence; psychotherapy. Pre: 100.
Daily 11:35-12:50

428 Social Development of Children (3) R. Dubanoski
Survey of the socialization process and acquisition of social behavior. Pre: 320.
Daily 8:45-10:00

430 Complex Human Learning (3) I. Evans
Extension of principles of learning (theory and research) to significant functional human behavior. Principles and methods of experimental psychology of learning, and findings of behavioral sciences, used to constitute a general conception of human behavior basic to various areas of study. Pre: 100.
Daily 10:10-11:25

471 Environmental Psychology (3) H. Weaver
Psychological aspects of problems of ecology, environment, and the future. (Cross-listed as Arch 471) Pre: 100.
Daily 7:20-8:35
SECOND 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)  G. Beck, K. Minke
(2 sections)
Principles of human behavior, individual differences, motivation, emotion, perception, learning.
Daily (1) 7:20-8:35 (Beck)
(2) 8:45-10:00 (Minke)

110 Psychology of Adjustment (3)  C. Martin
Daily 7:20-8:35

113 Statistical Techniques (3)  J. Digman
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

214 Learning and Motivation (3)  F. R. Brush
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

216 Individual Differences and Measurement (3)  S. Vandenberg
Individual differences in personality, aptitude, intelligence; construction, validation, administration of tests; interpretation of scores. Pre: 113.
Daily 10:10-11:25

318 Animal Psychology (3)  J. Sidowski
Animal studies in learning, perception, motivation, physiological mechanism. Pre: 100, 112.
Daily 10:10-11:25

320 Developmental Psychology (3)  D. Crowell, L. Fujinaka
(2 sections)
Emotional, mental, physical, social development from infancy to adulthood; interests and abilities at different age levels. Pre: 100.
Daily (1) 7:20-8:35 (Crowell)
(2) 10:10-11:25 (Fujinaka)

321 Psychology of Personality (3)  C. O'Donnell
Scientific study of personality, its meaning, assessment, development, relation to cultural-social determinants. Pre: 100.
Daily 11:35-12:50

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

424 Abnormal Psychology (3)  G. Tanabe
Nature and causes of psychoneuroses and psychoses; abnormalities of intelligence; psychotherapy. Pre: 100.
Daily 8:45-10:00

427 The Exceptional Child (3)  D. Crowell
Evaluation of physical, emotional, and intellectual deviations and their effects upon growth and development of children. Pre: 320.
Daily 10:20-11:35

428 Social Development of Children (3)  L. Fujinaka
Survey of the socialization process and acquisition of social behavior. Pre: 320.
Daily 7:20-8:35

430 Complex Human Learning (3)  K. Minke
Extension of principles of learning (theory and research) to significant functional human behavior. Principles and methods of experimental psychology of learning, and findings of behavioral sciences, used to constitute a general conception of human behavior basic to various areas of study. Pre: 100.
Daily 10:10-11:35

431 Verbal Learning and Memory (3)  G. Friedman
Theories, models, and mechanisms of verbal learning and memory, basic variables, research procedures, design, and methodology. Pre: 100 or consent of instructor.
Daily 7:20-8:45

491 Teaching Psychology (v)  Staff
Supervised experience in teaching psychology. Pre: consent of instructor and department chairman.

499 Directed Reading or Research (v)  Staff
Pre: consent of instructor and department chairman.

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

700(2) Seminar: History and Theory (3)  S. Vandenberg
Historical and contemporary trends in psychological theory and research.
Daily 8:45-10:00

700(4) Seminar: Experimental (3)  J. Sidowski
Problems in experimental psychology.
Daily 1:10-2:25

700(5) Seminar: Physiological (3)  J. Stoyva
Studies of biofeedback. Self control.
Daily 10:10-11:25
THIRD 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
Principles of human behavior, individual differences, motivation, emotion, perception, learning.
Daily 8:45-10:00

110 Psychology of Adjustment (3) J. Blaylock
Understanding and improving adjustment: needs, frustrations, conflicts, anxiety, patterns of adjustment. Concept of mental health.
Daily 8:45-10:00

113 Statistical Techniques (3) J. Digman
Frequency distributions; graphic methods, central tendency; variability; correlations; reliability; tests of significance. Pre: two years of high school algebra or equivalent.
Daily 8:45-10:00

215 Sensory Processes (3) R. Fay
Psychophysics; vision, audition, taste, smell. Pre: 112.
Daily 7:20-8:35

317 Physiological Psychology (3) R. Blanchard
Psychological basis of vision, audition, motivation, emotion, and learning.
Daily 8:45-10:00

320 Developmental Psychology (3) T. Ciborowski
Emotional, mental, physical, social development from infancy to adulthood; interests and abilities at different age levels. Pre: 100.
Daily 11:35-12:50

322 Social Psychology (3) H. Mansson
Interpersonal relations; social attitudes; group dynamics; intergroup relations; class and cultural influences. Pre: 100.
Daily 10:10-11:25

424 Abnormal Psychology (3) R. Johnson
Nature and causes of psychoneuroses and psychoses; abnormalities of intelligence; psychotherapy. Pre: 100.
Daily 8:45-10:00

429 Advanced Undergraduate Seminar: Drugs, The Brain and Behavior (3) R. Blanchard
Coverage in depth of drug effects on the brain and behavior. May be repeated for credit.
Daily 10:10-11:25

491 Teaching Psychology (v) Staff
Supervised experience in teaching psychology. Pre: consent of instructor and department chairman.

499 Directed Reading or Research (v) Staff
Pre: consent of instructor and department chairman.

665 Cross-Cultural Psychology (3) H. Mansson
Theories of psychology and their application to cross-cultural phenomena; assessment of cross-cultural processes and social motivation; culture and personality; evaluation and design of cross-cultural research.
Daily 1:10-2:25

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

791 Advanced Public Health Practice (3) Staff
(17 sections)
Observation, study and additional practical work in student's area of emphasis. Only public health degree candidates may enroll. May not be repeated for credit. Pre: consent of instructor.
Hrs. arr.

799 Directed Reading/Research (v) Staff
Variable credit from 1 to 4. May be repeated for credit. Pre: consent of instructor.
Hrs. arr.

800 Thesis Research (v) Staff
Variable credit from 1 to 6. May be repeated for credit. Pre: consent of instructor.
Hrs. arr.

SECOND TERM

791 Advanced Public Health Practice (3) Staff
(17 sections)
Observation, study and additional practical work in student's area of emphasis. Only public health degree candidates may enroll. May not be repeated for credit. Pre: consent of instructor.
Hrs. arr.

799 Directed Reading/Research (v) Staff
Variable credit from 1 to 4. May be repeated for credit. Pre: consent of instructor.
Hrs. arr.

800 Thesis Research (v) Staff
Variable credit from 1 to 6. May be repeated for credit. Pre: consent of instructor.
Hrs. arr.

THIRD TERM

792(15) Seminar in Public Health (3) J. Hankin
Concepts and practices in hospital dietetics. Intended for public health nutrition majors only. Pre: consent of instructor.
Hrs. arr.

799 Directed Reading/Research (v) Staff
Variable credit from 1 to 4. May be repeated for credit. Pre: consent of instructor.
Hrs. arr.

800 Thesis Research (v) Staff
Variable credit from 1 to 6. May be repeated for credit. Pre: consent of instructor.
Hrs. arr.
### RELIGION (Rel)

#### FIRST TERM

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Description</th>
<th>Days</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>150</td>
<td>Introduction to World's Major Religions (3)</td>
<td>S.C. Crawford</td>
<td>3</td>
<td>Introduction to the world's major religions—Hinduism, Buddhism, Shinto, Confucianism, Taoism, Judaism, Christianity, Islam.</td>
<td>Daily</td>
<td>8:45-10:00</td>
</tr>
<tr>
<td>151</td>
<td>Religion and the Meaning of Existence (3)</td>
<td>M. Aoki</td>
<td>3</td>
<td>Introduction to basic ideas and issues of contemporary religious thought as related to the question “What is the meaning of existence?”</td>
<td>Daily</td>
<td>10:10-11:25</td>
</tr>
<tr>
<td>481</td>
<td>Russian Religion (3)</td>
<td>M. Klimenko</td>
<td>3</td>
<td>Russian State Church, rational and mystical sects from the 19th century through the Communist Revolution up to the present. Marxism and religion.</td>
<td>Daily</td>
<td>11:35-12:50</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</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>150</td>
<td>Introduction to World's Major Religions (3)</td>
<td>F. Seifert</td>
<td>3</td>
<td>Introduction to the world's major religions—Hinduism, Buddhism, Shinto, Confucianism, Taoism, Judaism, Christianity, Islam.</td>
<td>Daily</td>
<td>8:45-10:00</td>
</tr>
<tr>
<td>151</td>
<td>Religion and the Meaning of Existence (3)</td>
<td>F. Seifert</td>
<td>3</td>
<td>Introduction to basic ideas and issues of contemporary religious thought as related to the question “What is the meaning of existence?”</td>
<td>Daily</td>
<td>10:10-11:25</td>
</tr>
</tbody>
</table>

#### THIRD TERM

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Description</th>
<th>Days</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>150</td>
<td>Introduction to World's Major Religions (3)</td>
<td>W. Elliott</td>
<td>3</td>
<td>Introduction to the world's major religions—Hinduism, Buddhism, Shinto, Confucianism, Taoism, Judaism, Christianity, Islam.</td>
<td>Daily</td>
<td>7:20-8:35</td>
</tr>
</tbody>
</table>

### SCIENCE, GENERAL (Sci)

#### FIRST TERM

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Description</th>
<th>Days</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>121</td>
<td>Introduction to Science: Biological Science (4)</td>
<td>D. Fellows</td>
<td>4</td>
<td>Characteristics of science and the interaction of society with science, illustrated by topics from biological science. Not open to students who have had 123.</td>
<td>Daily</td>
<td>7:20-8:35</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Lab (1) MW 8:45-10:35</td>
<td>(2)</td>
<td>10:45-12:35</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</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>123</td>
<td>Introduction to Science: Hawaiian Perspectives (4)</td>
<td>G. Bigelow</td>
<td>4</td>
<td>Characteristics of science and interaction of society with science illustrated by topics in geology, astronomy, oceanography, and biology of the Hawaiian Islands. Not open to students who have had 121.</td>
<td>Daily</td>
<td>7:20-8:35</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Lab (1) MW 9:00-11:00</td>
<td>(2)</td>
<td>10:00-1:00</td>
</tr>
</tbody>
</table>

### SOCIAL WORK (SW)

#### FIRST TERM

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Description</th>
<th>Days</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>300</td>
<td>History of Social Work (3)</td>
<td>W. Ishimoto</td>
<td>3</td>
<td>A non-professional orientation intended to acquaint the student with the philosophy, scope and aims of social work as a profession. Pre: junior standing.</td>
<td>Daily</td>
<td>8:45-10:00</td>
</tr>
<tr>
<td>655</td>
<td>Experiential Training in Human Relationships (3)</td>
<td>J. Fischer</td>
<td>3</td>
<td>Focus is on an intensive laboratory experience with the goal of increasing interpersonal skills for therapeutic purposes. Emphasis on warmth, empathy and genuineness.</td>
<td>Daily</td>
<td>8:45-10:00</td>
</tr>
<tr>
<td>660</td>
<td>Practicum (3)</td>
<td>J. Krisberg</td>
<td>3</td>
<td>Provides an opportunity for the student to see the applicability and experience the use of concepts and principles of social work in actual practice. Pre: graduate standing and enrollment. Hrs. arr.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>760</td>
<td>Practicum (v)</td>
<td>J. Krisberg</td>
<td>3</td>
<td>Provides an opportunity for the student to see the applicability and experience the use of concepts and principles of social work in actual practice. Pre: graduate standing and enrollment. Hrs. arr.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>796</td>
<td>Individualized Directed Study (v)</td>
<td>Staff</td>
<td></td>
<td>By arrangement with instructor only. Hrs. arr.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
SECOND TERM

626 Prevention and Treatment of Juvenile Delinquency (2) J. Nagoshi
Major problems, issues, and developments in field of juvenile delinquency in the United States with emphasis on Hawaii. Daily 10:10-11:00

THIRD TERM

661 Practicum (3) J. Krisberg
Provides an opportunity for the student to see the applicability and experience the use of concepts and principles of social work in actual practice. Pre: graduate standing and enrollment. Hrs. arr.

761 Practicum (v) J. Krisberg
Provides an opportunity for the student to see the applicability and experience the use of concepts and principles of social work in actual practice. Pre: graduate standing and enrollment. Hrs. arr.

797 Individualized Directed Study (v) Staff
By arrangement with instructor only. Hrs. arr.

SOCIOLOGY (Soc)

FIRST TERM

Students should consult sociology departmental adviser and the current description of course offerings each semester.

100 Survey of General Sociology (3) G. Won
Basic social relationships, social structures, norms, processes affecting social change. Daily 8:45-10:00

312(1) Survey of Society and Population (3) G. Yamamoto
Probable causes and consequences of current world population growth rate; comparison of developed and underdeveloped countries; assessment of effectiveness of efforts to control rate of growth or size of populations. Population structure and dynamics as related to food resources, environment and values. Daily 10:10-11:25

312(2) Survey of Urban Society (3) G. Won
Sociological principles as applied to modern city. Structure, growth, social and personal life organization. Daily 10:10-11:25

322 Survey of Race and Culture Contacts in Hawaii (3) G. Yamamoto
Hawaii as a meeting ground of peoples and cultures historically viewed, and various perspectives as to the nature of the evolving community. Daily 1:10-2:25

332(1) Survey of Criminology (3) D. Ward
Crimes and criminals; causative theories of criminality; institutional problems of apprehension, prosecution, incarceration, correction and rehabilitation. Daily 8:45-10:00

332(2) Survey of Deviancy and Control (3) G. Kassebaum
A survey of various attempts to explain two basic aspects of social systems: the persistent tendency for social behavior to become patterned, and the continuous struggle of some persons to defy, escape or rebel from the pattern. Topics will include: simple behavioral deviance, conformity and nonconformity; mental patients; criminals; rebels; institutional and community control; social change. Daily 7:20-8:35

432 Analysis in Social Control: The Prison (3) D. Ward
An analysis of prison systems as social organizations; review and evaluation of current treatment programs and adult offenders; comparison of American penal policy with those of Norway, Sweden, Denmark and Great Britain. (Cross-listed with 432) Daily 11:35-12:50

472 Analysis in Methodology (3) G. Kassebaum
Gathering of data by observation, structured interviews and the use of institutional and organizational records; analysis of data; formulation of research problems and designs. Values and limitations of methods of research for various types of studies. Pre: 200, a statistics course, 12 hours in social sciences, or consent of instructor. Daily 10:10-11:25

499 Directed Reading (v) G. Kassebaum

730 Seminar in Social Control: The Prison (3) D. Ward
An analysis of prison systems as social organizations; review and evaluation of current treatment programs and adult offenders; comparison of American penal policy with those of Norway, Sweden, Denmark and Great Britain. (Cross-listed with 432) Daily 11:35-12:50

799 Directed Research (v) G. Kassebaum

SECOND TERM

Students should consult sociology departmental adviser and the current description of course offerings each semester.

100 Survey of General Sociology (3) I. Krauss
Basic social relationships, social structures, norms, processes affecting social change. Daily 11:35-12:50

322(1) Survey of Social Stratification (3) I. Krauss
Analysis of social class; stratification patterns; social mobility in industrial and non-industrial societies. Daily 8:45-10:00

322(2) Survey of Health Institutions (3) H. Bynder
This course will survey the sociology of health and medicine. Some topics to be covered: historical development of the sociology of health and medicine, socio-cultural factors in health and illness, patterns of treatment, process of becoming a physician, role of the physician, role of the patient, patient-doctor relationship, hospital as a social institution, changing patterns of health care. Daily 7:20-8:35

332 Survey of Criminology (3) D. Stratman
Philosophies concerning the emergence of deviant and criminal norms will be explored. The problem of measurement of crime and various aspects of criminal research will be covered. Substantive examining of types of crimes and criminals will be undertaken. Police, the judiciary and related institutions will be studied from the perspective of various philosophies of legal structure and punishment. Finally, imprisonment and its effectiveness will be considered before exploring alternatives to incarceration. Daily 7:20-8:35

362 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
SPEECH (Sp)

FIRST TERM

151 Introduction to Speech (3)  W. Oxford, Staff
(3 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 act.
Daily (1) 7:20-8:35 (Staff)
(2) 8:45-10:00 (Oxford)
(3) 11:35-12:50 (Staff)

211 General Phonology (3)  V. Larson
Phonology of American English, using the International Phonetic Alphabet. Application to dialect description and speech modification.
Daily 8:45-10:00

231 Interpretative Reading (3)  V. Larson, Staff
(2 sections)
Principles of interpretative reading. Practice in textual analysis and in transmitting intellectual and aesthetic content of literature.
Daily (1) 7:20-8:35 (Staff)
(2) 10:10-11:25 (Larson)

251 Principles of Effective Speaking (3)  W. Oxford
Adaptation of rhetorical theory to particular speakers, audiences, occasions. Extensive practice in planning and delivering speeches.
Pre: 151 or equivalent.
Daily 10:10-11:25

321 Speech for the Classroom Teacher (3)  Staff
Analysis of and practice in using major models of speech communication in the classroom. Focus placed on the role of speech in various academic disciplines as needed by teachers. Pre: 151 or 251.
Daily 7:20-8:35

333 Storytelling (3)  J. Passey
Esthetic communication through storytelling for entertainment and education. Oral tradition; analysis of story types; techniques of preparation and presentation; performance. Pre: 151 or equivalent.
Daily 11:35-12:50

385 Culture and Communication (3)  L. Ekroth
Survey of major factors affecting interpersonal communication between members of different cultures. Emphasis is upon interaction between U.S. and Asian-Pacific peoples.
Daily 10:10-11:25

431 Advanced Interpretative Reading (3)  J. Passey
Problems in selected literary forms; development and arrangement of programs; individual and group reports and performances. Pre: 231 and sophomore literature.
Daily 1:10-2:25

497 Nonverbal Communication (3)  L. Ekroth
A study of non-language modes of human sign behavior, including the body, dress and adornment, and time and space. Cultural influences in shaping nonverbal codes. Variations in human skills in managing and decoding implicit messages. Body performance and the social self. Review of empirical research and experiential exploration of body messages via both Eastern and Western approaches to discovery.
Daily 8:45-10:00

499 Special Problems (v)  D.W. Klopf
(1) Public address; (2) teacher preparation; (3) oral interpretation; (4) group processes; (5) intercultural communication. Pre: consent of instructor or department chairman.
Hrs. arr.