ENVIRONMENTAL SCIENCES GRADUATE PROGRAM AREA OF CONCENTRATION IN SOCIAL SCIENCE

PURPOSE

The Area of Concentration in Social Science is designed for students who have a strong natural science background and want to develop capabilities in the social sciences to go with this background. The Social Science track focuses on merging qualitative methodologies with various types of survey research.

Identification and measurement of people's values are a major area of social science inquiry that integrates across social science disciplines. Environmental decisions require the systematic study of values and preferences from both scientific and applied perspectives. Methods for assessing values are central to the Social Science track.

PROGRAM OF STUDY

The Social Science track has five components: ES Core courses, Methods and Numerical Skills courses, Social Science Topics courses, Scientific Focal Area courses, Elective co~s, and dissertation. Total credits required are a minimum of 45 Cr for the M.S. and M.A. degree and 108 Cr for the Ph. D. degree. Typical Programs of Study will include minimum credits as follow:

<table>
<thead>
<tr>
<th>Subject Area</th>
<th>M.S. &amp; M.A. Degrees</th>
<th>Ph. D. Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>ES Core Courses</td>
<td>9 Cr</td>
<td>10 Cr</td>
</tr>
<tr>
<td>Methods and Numerical Skills</td>
<td>9 Cr</td>
<td>9 Cr</td>
</tr>
<tr>
<td>Social Science Environ. Topics</td>
<td>12 Cr</td>
<td>18 Cr</td>
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<tr>
<td>Science Focal Area Courses</td>
<td>9 Cr</td>
<td>15 Cr</td>
</tr>
<tr>
<td>Electives</td>
<td>0 Cr</td>
<td>0-14 Cr</td>
</tr>
<tr>
<td>Thesis</td>
<td>6 Cr</td>
<td>36-50 Cr</td>
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<tr>
<td>Total</td>
<td>45 Cr</td>
<td>108 Cr</td>
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ES CORE COURSES

ENSC 515  Environmental Perspectives and Methods (3)
ENSC 520  Environmental Analysis (3)
ENSC 508  Workshop (2)
GRAD 520  Responsible Conduct of Research (1)

METHODS AND NUMERICAL SKILLS COURSES

9 Cr for M.S. and M.A. degree and 9 Cr for Ph. D. degree. Courses in Methods and Numerical Skills are intended to develop student background in qualitative, quantitative or statistical methods courses. The courses below are not a complete list satisfying the Methods and Numerical Skills category of courses. Quantitative methods, qualitative methods, and statistical methods courses are to be selected by consensus of the graduate advisor, advising committee, and student.

1A. Qualitative Methods
   ANTH 591 Ethnographic Methods (4)
   ANTH 598 Oral Traditions (1-3)
   COMM 514 Communication Research Methods (3)
   SOC 518 Qualitative Research Methods (4)

1B. Quantitative Methods
   ANTH 593 Statistical Applications in Anthropology (4)
   ECON 525 Econometric Methods (4)
<table>
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<tr>
<th>Department</th>
<th>Courses</th>
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<tbody>
<tr>
<td>Applied Economics</td>
<td>ECON 526 Applied Econometrics (4)</td>
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<tr>
<td></td>
<td>SOC 516 Conducting Social Research (4)</td>
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<tr>
<td>1C. Statistical Methods</td>
<td>ST 511, 512, 513 Methods of Data Analysis (4 each)</td>
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<td>ST 531 Sampling Methods (3)</td>
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<td>ST 539 Survey Methods (3)</td>
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### SOCIAL SCIENCE

Social Science Environmental Topics: 12 Cr for M.S. and M.A. degree and 18 Cr for Ph. D. degree. Courses in social science environmental topics are intended to develop student background in human impacts on environmental systems and effects of environmental change on social systems. Social science environmental topics are to be selected by consensus of the graduate advisor, advising committee, and student.

- **Applied Economics**
  - AEC 550 Environmental and Natural Resource Economics (4)
  - AEC 551 Applications of Environmental and Natural Resource Economics (4)
  - AEC 651 Advanced Resource Economics (3)
  - AEC 652 Advanced Environmental Economics (3)

- **Anthropology**
  - ANTH 581 Natural Resources and Community Values (4)
  - ANTH 582 Anthropology of International Development (4)
  - BA 532 Environmental Law, Sustainability, and Business (4)

- **Economics**
  - ECON 539 Public Policy Analysis (4)

- **Geosciences**
  - GEOG 530 Resilience-Based Natural Resource Management (3)
  - GEOG 541 International Water Resources Management (3)

- **History**
  - HST 567, 568 History of the American West (4 each)
  - HST 569 History of the Pacific Northwest (4)
  - HST 581 Environmental History of the United States (4)

- **Philosophy**
  - PHL 543 World Views and Environmental Values (3)

- **Political Science**
  - PS 575 Environmental Politics and Policy (4)
  - PS 576 Science and Politics (4)

- **Sociology**
  - SOC 575 Rural Sociology (4)
  - SOC 580 Environmental Sociology (4)
  - SOC 581 Society and Natural Resources (4)

- **Speech Communication**
  - COMM 540 Theories of Conflict and Conflict Management (3)
  - COMM 542 Bargaining and Negotiation Processes (3)
  - COMM 544 Third Parties in Dispute Resolution: Mediation/Arbitration (3)
SCIENCE FOCAL AREA
9 Cr for M.S. and M.A. degree and IS Cr for Ph. D. degree. Courses in the science focal area are to supplement the natural science background that was the background for entering the program and may be selected from life or physical science disciplines. The combination of courses taken prior to admission to the program and science focal area courses are intended to develop a coherent area of scientific study. Science focal area courses may be selected from the Ecological Area of Concentration, other ES areas of concentration, or courses from the Colleges of Science, Agricultural Sciences, Oceanic and Atmospheric Sciences, Forestry, or Engineering. Science focal area courses are to be selected by consensus of the graduate advisor, advising committee, and student.

ELECTIVE COURSES
0 Cr for M.S. and M.A. degree and 0-14 Cr for Ph. D. Degree. Students will work with their graduate advisor and committee to select elective courses to develop necessary background to add breadth and depth to the student's Program of Study.

THESIS:
6 Cr for M.S. and M.A. degree and 36-50 Cr for Ph. D. degree.