PROGRAM AREA  ENVIRONMENTAL SCIENCE AND RESOURCE MANAGEMENT

1. Catalog Description of the Course.

ESRM 410. ENVIRONMENTAL IMPACT ASSESSMENT (3) [Note new title: Analysis changed to Assessment]
Three hours of lecture per week.
Prerequisites: BIOL 330, ECON 362, ESRM 328 and 329

This course will introduce students to methods and procedures designed to assess and minimize human impacts on natural systems. Topics to be covered include the components of environmental impact reports and assessments, and the processes involved in preparation and approval. Also addressed will be the issues related to mitigating environmental impacts.

2. Mode of Instruction.

<table>
<thead>
<tr>
<th>Units</th>
<th>Hours per Unit</th>
<th>Benchmark Enrollment</th>
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</thead>
<tbody>
<tr>
<td>Lecture: 3</td>
<td>1</td>
<td>25</td>
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<tr>
<td>Seminar:</td>
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<td>Laboratory:</td>
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<td>Activity:</td>
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3. Justification and Learning Objectives for the Course.

• To introduce students to Environmental Impact Assessments (EIA), why they are required, and what techniques are used to make assessments;
• To inform students how EIA is applied to local, state, national and international problems; and
• To allow students to conduct their own impact assessments through a series of short case studies.

Upon successful completion of this course students will be able to:

• Describe the National Environmental Policy Act (NEPA) and the California Environmental Quality Act (CEQA), and their implications within the framework of federal and state land and resource decision making;
• Describe other regulatory forces which drive the environmental industry and their relationship to NEPA and CEQA;
• Identify the primary components of an impact assessment and analysis as it pertains to a project under study; and
• Identify and obtain data that may be used to describe baseline environmental conditions within a project setting pursuant to NEPA and CEQA;

It is anticipated that this course will be an elective for the ESRM major and minor.

4. Is this a General Education Course

If Yes, indicate GE category:

<table>
<thead>
<tr>
<th>GE Category</th>
<th>Description</th>
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<tbody>
<tr>
<td>A</td>
<td>English Language, Communication, Critical Thinking</td>
</tr>
<tr>
<td>B</td>
<td>Mathematics &amp; Sciences</td>
</tr>
<tr>
<td>C</td>
<td>Fine Arts, Literature, Languages &amp; Cultures</td>
</tr>
<tr>
<td>D</td>
<td>Social Perspectives</td>
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<tr>
<td>E</td>
<td>Human Psychological and Physiological Perspectives</td>
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</table>

NO

5. Course Content in Outline Form.

Introduction to environmental law
Historical framework for environmental protection
Introduction to NEPA and CEQA

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The Regulatory Framework
Scoping, Alternative Analysis
Socioeconomics, Ecological Resources, Water Resources
Wetlands, Cultural Resources, Hazardous Waste
Endangered Species Act
Types of environmental impact statements
Impact Analysis
Environmental assessments & Mitigation
Alternative Evaluation

6. References.


Environmental Impact Statements, Second Edition
Jacob I. Bregman (1999)

Conducting Environmental Impact Assessment in Developing Countries
Prasad Modak (Editor), Asit K. Biswas (Editor) (1999)

Introduction to Environmental Impact Assessment.

7. List Faculty Qualified to Teach This Course.

Professor Mark Zacharias

8. Frequency.
   a. Projected semesters to be offered: Fall ___X__ Spring ____ Summer ____

9. New Resources Required.
   None

10. Consultation.
    N/A

11. If this new course will alter any degree, credential, certificate, or minor in your program, attach a program modification.

Mark Zacharias_________________________12/6/02__________
Proposer of Course    Date

Approvals

Program Coordinator       Date

GE Committee Chair         Date

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