1. Catalog Description of the Course. [Include the course prefix, number, full title, and units. Provide a course narrative including prerequisites and corequisites. If any of the following apply, include in the description: Repeatability (May be repeated to a maximum of ___ units); time distribution (Lecture ___ hours, laboratory ___ hours); non-traditional grading system (Graded CR/NC, ABC/NC). Follow accepted catalog format.]

ESRM 490. SPECIAL TOPICS (3)
Three hours of seminar per week.
Prerequisite: Consent of the instructor.
In-depth analysis of current topics in environmental science and resource management. Topics vary each semester. May be repeated by topic.

2. Mode of Instruction.

<table>
<thead>
<tr>
<th>Units</th>
<th>Hours per Unit</th>
<th>Benchmark Enrollment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lecture</td>
<td>3</td>
<td>1</td>
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<tr>
<td>Seminar</td>
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<tr>
<td>Laboratory Activity</td>
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</tbody>
</table>

3. Justification and Learning Objectives for the Course. (Indicate whether required or elective, and whether it meets University Writing, and/or Language requirements) [Use as much space as necessary]

This is an upper division elective toward the Environmental Science and Resource Management major. This course provides an in-depth analysis of environmental science and resource management issues which may not be addressed thoroughly in other courses. Students are introduced to research at the forefront of the field and benefit from the specific expertise of the instructor.

Students who successfully complete this course will be able to:
- Identify specific problems in environmental science and resource management.
- Apply the appropriate analytical tools to assess specific environmental or natural resource problems.
- Summarize and report findings related to the description, assessment or prediction of environmental or natural resource problems.

4. Is this a General Education Course

NO

5. Course Content in Outline Form. [Be as brief as possible, but use as much space as necessary]

Sample course outline: Topic: Urban Hydrologic Prediction
- Fundamentals of Urban Surface Water Management
- Hydrologic Quantity and Quality Cycles in the Urban Environment
- Techniques and Models for Urban Hydrologic Prediction
- Floodplain and Channel Hydraulics
- Methods for Flood Mitigation Design
- Drinking Water Needs: Quality, Collection, Treatment and Distribution
- Wastewater Needs: Quality, Sewerage and Septic Lines, Treatment
- Point and Nonpoint Source Pollution Load: Origins and Impact
6. References. [Provide 3 - 5 references on which this course is based and/or support it.]

References for Sample Course Outline
Other selected readings

7. List Faculty Qualified to Teach This Course.

ESRM Faculty

8. Frequency.
   a. Projected semesters to be offered:  Fall _____  Spring __x__  Summer _____

9. New Resources Required.
   None.

10. Consultation.
    Attach consultation sheet from all program areas, Library, and others (if necessary)

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

___________________________________________________
Proposer of Course    Date