**PROPOSAL NUMBER:** 99-37

**CURRICULUM PROPOSAL FORM**

*DEADLINES:*

**PROPOSAL TITLE:** Independent Study in Engineering (0901.391)

**SPONSOR/S:** Steven Chin

**DEPARTMENT:** ENGINEERING

**CHECK ALL THAT APPLY:**

| X | UNDERGRADUATE | GRADUATE |

**COLLEGE:**

If LAS:  
- History/Humanities
- Math/Sciences
- Social/Behavioral Sciences

**TYPE OF PROPOSAL (Check ALL that Apply)**

<table>
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<tr>
<th>X</th>
<th>New Course (NOT Gen. Ed.)</th>
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<td>Name Change (Dept., School, Major)</td>
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<td></td>
<td>Changes in Degree Requirements</td>
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<td>Changes Involve Gen. Ed. requirements</td>
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<td>Minor Changes to Existing Courses</td>
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<td>Course is NOT General Education</td>
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<td>Course IS General Education</td>
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**DEPARTMENT**

(SIGNATURE INDICATES APPROVAL)

[Signature]

DEPT. CURRICULUM CHAIR / DATE

DEPT. CHAIRPERSON / DATE

**COLLEGE CURRICULUM COMMITTEE**

DATE OF OPEN HEARING (if necessary) 11/3/98

APPROVED

NOT APPROVED

Comments:

[Signature Date]

**ACADEMIC DEAN (& GRADUATE DEAN, for New Graduate Programs Only)**

APPROVED

NOT APPROVED

Comments:

[Signature (Academic Dean) DATE]

[Signature (Graduate Dean) DATE]
1. Details:

a) Course Title: Independent Study in Engineering (0901.391)
b) Sponsor: College of Engineering: Chemical, Civil, Electrical, and Mechanical Engineering
c) Credit Hours: Variable: 1-6 credit hours
d) Course Level: Sophomore, Junior, or Senior
e) Prerequisites: Permission of Department or Instructor
f) Time and Scale of Implementation: Offered as required; One Section
g) Curricular Effect: No effect on any other courses; used only by permission of Engineering Department or Instructor

h) Resources: No impact; existing resources are sufficient
i) Library Resources: No impact; existing resources are sufficient
h) Short Term Evaluation: N/A

2. Rationale:

This course is used to provide each department with the flexibility to arrange a focus topic(s) of study not otherwise available in their program. This experience will be formulated in a manner that enhances the students educational experience, while satisfying the requirements as specified by the Accreditation Board for Engineering and Technology (ABET).
3. Essence of the Course:

a) Objectives:

    The content of this independent study experience will be determined by programmatic needs, as approved by the Department and instructor.

b) Topical Outline:

    The topics cover in this independent study experience will be determined by programmatic needs, as approved by the Department and instructor.

c) Evaluation and Grading Procedure of Students:

    Evaluation of student progress will be made on a regular basis by the instructor and the department in which the student is majoring in.

d) Course Evaluation:

    The proposed courses will be evaluated based on student evaluations and curriculum review conducted by each department.

4. Results of Consultations:

    Each engineering program has identified a need for their students to perform work, under the direction of a faculty member, in an independent manner. This course will satisfy this need.
Catalog Description:

Independent Study in Engineering (0901.391)

Prerequisite: Permission of Department or Instructor

This course is designed for engineering students. They will conduct work under the supervision of an appropriate faculty member on engineering projects. The execution of the proposed project, including the preparation and presentation of an acceptable report of work, will be required.