NEW COURSE PROPOSAL

PROGRAM AREAS  MATH

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.]

MATH 499 SENIOR COLLOQUIUM (1)
Prerequisites: Senior standing.
One hour of seminar per week.
Oral presentations of current advancement in the field, and reports on students’ projects. Repeatable.

2. Mode of Instruction.

<table>
<thead>
<tr>
<th>Hours per Benchmark</th>
<th>Units</th>
<th>Hours per Unit</th>
<th>Benchmark Enrollment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lecture</td>
<td>_____</td>
<td>_____</td>
<td>_____</td>
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<tr>
<td>Seminar</td>
<td>1</td>
<td>1</td>
<td>24</td>
</tr>
<tr>
<td>Laboratory</td>
<td>_____</td>
<td>_____</td>
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<tr>
<td>Activity</td>
<td>_____</td>
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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]

The course is a capstone course for Mathematics majors.

Through this course, students will be able to

- Reflect on current issues in Mathematics and its applications
- Apply their knowledge of Mathematics to current issues in the field.
- Present their research in oral form

This course is not designed to satisfy the University Writing or Language requirements.

4. Is this a General Education Course

<table>
<thead>
<tr>
<th>YES</th>
<th>NO</th>
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</thead>
<tbody>
<tr>
<td>If Yes, indicate GE category:</td>
<td></td>
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<tr>
<td>A (English Language, Communication, Critical Thinking)</td>
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<tr>
<td>B (Mathematics &amp; Sciences)</td>
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<tr>
<td>C (Fine Arts, Literature, Languages &amp; Cultures)</td>
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<tr>
<td>D (Social Perspectives)</td>
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<tr>
<td>E (Human Psychological and Physiological Perspectives)</td>
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NEWCRSFR 9/30/02
5. **Course Content in Outline Form.** *Be as brief as possible, but use as much space as necessary*
   Seminar in Computer Science and current applications.
   Student presentations.

6. **References.** *Provide 3 - 5 references on which this course is based and/or support it.*
   Current publications in the field.

7. **List Faculty Qualified to Teach This Course.**
   All Mathematics Faculty

8. **Frequency.**
   a. Projected semesters to be offered: Fall ___X__ Spring ___X___ Summer _____

9. **New Resources Required.**
   a. Computer (data processing), audio visual, broadcasting needs, other equipment
      Existing resources.
   b. Library needs
      Standard University library facilities.
   c. Facility/space needs
      Overhead projector, Power Point and standard classroom equipment

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