Minnesota State University, Mankato

Curriculum Proposal

Please type or select the requested information. Print completed forms, add appropriate paper attachments, and route through MSU's curricular process for recommendations and decisions.

<table>
<thead>
<tr>
<th>College: Science, Engineering and Technology</th>
<th>(Check all that apply):</th>
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</thead>
<tbody>
<tr>
<td>Department: Computer Science</td>
<td>Undergraduate</td>
</tr>
<tr>
<td>Program: Computer Science</td>
<td>Graduate</td>
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<tr>
<td>Type of Change: COURSE PROPOSALS</td>
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<tr>
<td>Proposed: New Course</td>
<td>CIP # 11.010104</td>
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<tr>
<td>Title Current:</td>
<td></td>
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<tr>
<td>Title Proposed: MAX Scholar Seminar</td>
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<tr>
<td>24-Char. Abbrev: MAX Scholar Seminar</td>
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<tr>
<td>Proposal #: 155</td>
<td></td>
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<tr>
<td>Effective Date of Change:</td>
<td>06-07</td>
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<tr>
<td>(For Office Use Only)</td>
<td></td>
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<tr>
<td>Course Designator and Number: CS 493</td>
<td></td>
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<tr>
<td>Number of Credits: 1</td>
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</table>

Include a course or program description for the Bulletin (30-40 words maximum for courses, 100 for programs):
This class is for MAX scholars and covers topics related to achieving success in academic, professional and personal realms. Speakers will include faculty, graduate students, visiting researchers and industry members. Students will mentor lower division scholars and do presentations.
Pre: Recipient of a MAX scholarship or instructor consent
Fall, Spring

Rationale or Justification for change:
CSET has been awarded a four year grant to provide scholarships. Part of the proposal included offering a seminar for the scholars. This course will be co-listed with BIOL 483, MATH 493 and ME/CIVE 493.

***For General Education or Cultural Diversity Courses Only***

| General Education Course: |
| GE Category #: N/A |
| GE Category Name | N/A |
| (Maximum of 3 Categories) | N/A |

* For Writing Intensive Courses, attach a description of the kind and quantity of writing.
* For Upper Division Courses, include a description of the respects in which it is broad and general rather than narrow and specific, and so suitable as GE.

Attach paper copies of the following:
- Syllabus or course outline.
- Course's student learning outcomes associated with each GE competency or CD designation.
- List of strategies to be used to assess students' achievement of each GE competency or CD designation.

***For New Courses***

<table>
<thead>
<tr>
<th>Instructional Type: Seminar</th>
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<tbody>
<tr>
<td>Course will be offered:</td>
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<tr>
<td>Fall Semester</td>
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<td>Spring Semester</td>
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<tr>
<td>Summer Session</td>
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<tr>
<td>X Course is an elective.</td>
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<tr>
<td>Grading Format:</td>
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<tr>
<td>X Course is required for program</td>
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<tr>
<td>Pre- or Co-requisites:</td>
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</table>

Course content or title is similar to courses in other departments. (Attach copy of letter of agreement with other program(s) contacted. Indicate the nature of the discussions and/or resolution of differences or potential conflicts.)

Attach paper copies of the following:
- Syllabus or course outline.
- Course's student learning outcomes.
- A list of resources required to offer and support this course.
- A description of how teaching this course will affect department staffing.
- If 400/500 level course, an explanation of added expectations of graduate students.

Revised September 2002
CS 493: MAX Scholar Seminar (co-listed as ME/CIVE 493, MATH 493, and BIOL 483)

Course Description: This class provides MAX scholars with an opportunity to explore a set of topics related to achieving success in academic, professional, and personal realms. Speakers will include faculty, graduate students, visiting researchers and industry members as well as student participants. Students will be required to participate in mentoring of lower division MAX scholarship recipients and provide written and oral presentations of various topics during the semester.

1.5 seminar hours per week, offered in Fall and Spring semesters.

Pre-requisites: Recipient of a MAX scholarship or instructor consent.

Proposed Text: Readings appropriate to chosen topics will be assigned.

Schedule of Topics:
Topics relevant to personal and professional development in academia, research and future work in industry will be organized at the beginning of each semester. A typical semester will include seminars in the following areas:

- University support services (3-4 weeks)
- Visiting lecturers from industry and research (3-4 weeks)
- Student presentations (2-3 weeks)
- Study skills, learning strategies, team-work & mentoring (2-3 weeks)
- Research and writing skills (3-4 weeks)

Grades will be assigned based on attendance and participation.

Student Outcomes:
In this course, the students will:

- be supported in maintaining their scholarship requirements of a minimum GPA and independent work overseen by a faculty or industry mentor,
- learn about possible career paths in the fields represented by the scholarships,
- be part of a peer and mentor community,
- gain experience presenting information about their internship and research work,
- mentor lower division MAX scholarship recipients,
- provide written and oral presentations on seminar topics,
- learn about presentation forms, and
- represent the program in outreach events organized during the seminar.

In addition, the students will gain:

- an understanding of professional and ethical responsibility,
- an ability to communicate effectively,
- a recognition of the need for, and an ability to engage in life-long learning,
- a knowledge of time budgeting and management, and
- an understanding of the need of community involvement through volunteerism.

Required Resources & Departmental Staffing
Resources to support this course will come from a National Science Foundation grant to provide scholarships for the students taking the class.

Staffing resources to support this course will result from allocation of existing department resources and with the support of the College of Science Engineering and Technology for development of the MAX Scholar Program.
CS 493: MAX Scholar Seminar (co-listed as ME/CIVE 493, MATH 493, and BIOL 483)

Course Description: This class provides MAX scholars with an opportunity to explore a set of topics related to achieving success in academic, professional and personal realms. Speakers will include faculty, graduate students, visiting researchers and industry members as well as student participants.

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To: CSET Curriculum Committee  
From: Rebecca Bates, PI MAX Scholar Program  
Date: 17 October 2006  

RE: BIOL 283/483, CS 293/493, MATH 293/493, ME/CIVE 293/493

This set of classes is being presented as a group. The proposed seminar will be offered in order to meet the student services described in the National Science Foundation scholarship grant that will begin supporting students next fall. The catalog description, list of topics and student outcomes are the same for BIOL 283/483, CS 293/493, MATH 293/493, ME/CIVE 293/493. All have been individually approved within their departments but will be offered as a single seminar for recipients of MAX Scholarships. If there are any questions about this particular set of courses, please feel free to contact me at bates@mnsu.edu or 389-5587.

Thank you.