



07122

Minnesota State University, Mankato HOLD and CLEAR buttons only compatible with Acrobat V. 4 and 5
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.

(Check all that apply):		Proposal #	158
College:	Science, Engineering and Technology	<input checked="" type="checkbox"/> Undergraduate	Effective Date of Change:
Department:	Mechanical Engineering	<input type="checkbox"/> Graduate	Academic Year
Program:	Mechanical Engineering	CIP #	06-07
Type of Change	COURSE PROPOSALS		
Proposed:	New Course		
Title Current:			
Title Proposed:	MAX Scholar Seminar		
24-Char. Abbrev:	MAX Scholar Seminar		
		Course Designator and Number	Number of Credits
		ME 293	1
(if applicable)			

Include a course or program description for the Bulletin (30-40 words maximum for courses, 100 for programs):

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. This course may be repeated and will not count towards graduation requirements. Prerequisite: Recipient of a MAX scholarship or instructor consent.

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 283, CIVE 293, CS 293, and MATH 293.

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

<p style="text-align: center;">General Education Course:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">GE Category #</th> <th>GE Category Name (Maximum of 3 Categories)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">N/A</td> <td></td> </tr> <tr> <td style="text-align: center;">N/A</td> <td></td> </tr> <tr> <td style="text-align: center;">N/A</td> <td></td> </tr> </tbody> </table> <p>7 For Writing Intensive Courses, attach a description of the kind and quantity of writing. 7 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.</p> <p>Attach paper copies of the following:</p> <ol style="list-style-type: none"> 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. 	GE Category #	GE Category Name (Maximum of 3 Categories)	N/A		N/A		N/A		<p style="text-align: center;">Cultural Diversity Course:</p> <p style="text-align: center;">(Please check one.)</p> <p><input type="checkbox"/> Core (At least 75% devoted to topics of race, gender, sexual orientation, age, class, and disabilities as they occur in United States Society.)</p> <p><input type="checkbox"/> Related (At least 25% devoted to the above topics or to a global perspective on topics related to African American, Asian, Hispanic, and Native American inhabitants of the United States.)</p>
GE Category #	GE Category Name (Maximum of 3 Categories)								
N/A									
N/A									
N/A									

*****For New Courses*****

(Check all that apply):		Instructional Type:	Seminar	Course will be offered:
<input checked="" type="checkbox"/> Course is an elective.		Grading Format:	<input type="checkbox"/> Grade <input checked="" type="checkbox"/> P/N	<input checked="" type="checkbox"/> Fall Semester
<input type="checkbox"/> Course is required for program				<input checked="" type="checkbox"/> Spring Semester
<input checked="" type="checkbox"/> Pre- or Co-requisites:		Recipient of a MAX scholarship or instructor consent.		
<input type="checkbox"/> Other courses are being changed or eliminated. (Explain.) _____				
<input type="checkbox"/> 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:				
a. Syllabus or course outline.				
b. Course's student learning outcomes.				
c. A list of resources required to offer and support this course.				
d. A description of how teaching this course will affect department staffing.				
e. If 400/500 level course, an explanation of added expectations of graduate students.				



Minnesota State University, Mankato
Curriculum Proposal

Signature Page

Department

Recommended (Category/ies _____)
 Not Recommended (Category/ies _____)

Chad W. [Signature] 17 Oct 2006
 Department Chair Date

Comments:

College Curriculum Committee

Recommended (Category/ies _____)
 Not Recommended (Category/ies _____)

Kam C. Chon 11/6/06
 Committee Chair Date

Comments:

College Dean

Recommended (Category/ies _____)
 Not Recommended (Category/ies _____)

[Signature] 11/6/06
 Dean Date

Comments:

General Education Subcommittee

Recommended (Category/ies _____)
 Not Recommended (Category/ies _____)

 General Education Subcommittee Chair Date

Comments:

Undergraduate Curriculum and Academic Policy Committee

Recommended (Category/ies _____)
 Not Recommended (Category/ies _____)

[Signature] 3-1-07
 UCAP Faculty Chair Date

Comments:

Faculty Association Graduate Committee

Recommended
 Not Recommended

 Faculty Association Graduate Chair Date

Comments:

Graduate Dean

Recommended
 Not Recommended

 Graduate Dean Date

Comments:

Academic Affairs Council

Recommended (Category/ies _____)
 Not Recommended (Category/ies _____)

[Signature] 3/12/09
 Assistant Vice President Date

Comments:

Senior Vice President and Vice President for Academic Affairs

Approved (Category/ies _____)
 Not Approved (Category/ies _____)

[Signature] 3/13/07
 Sr. Vice President / Vice Pres. Academic Affairs Date

Comments:

Minnesota State University, Mankato
Department of Mechanical and Civil Engineering

ME 293
MAX Scholars Seminar

Course (catalog) 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. This course will not count towards graduation requirements.

Rationale:

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 283, CIVE 293, CS 293 and MATH 293.

Prerequisite: Recipient of a MAX scholarship or instructor consent.

Credits: 1

Class Meetings: The course will meet for 1.5 hours per week and will be offered in both fall and spring semesters.

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: Grades will be assigned based on attendance and participation.

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. Teaching of the course will rotate amongst the MAX Scholars Program Co-investigators. 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.

Course 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
- 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.

Course proposal prepared by: Deborah K. Nykanen, 10/11/2006.



MINNESOTA STATE
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10 proposals total

To: CSET Curriculum Committee
From: Rebecca Bates, PI MAX Scholar Program *RB*
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, C S 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.