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>Undergraduate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department: Mathematics and Statistics</td>
<td>Graduate</td>
</tr>
<tr>
<td>Program: Mathematics</td>
<td>CIP #27.0101</td>
</tr>
<tr>
<td>Type of Change: COURSE PROPOSALS</td>
<td></td>
</tr>
<tr>
<td>Proposed: New Course</td>
<td></td>
</tr>
<tr>
<td>Title Current: MAX Scholar Seminar</td>
<td></td>
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<tr>
<td>Title Proposed: MAX Scholar Seminar</td>
<td></td>
</tr>
<tr>
<td>24-Char. Abbrev: Math 293</td>
<td>1</td>
</tr>
<tr>
<td>Course Designator: Math 293</td>
<td>1</td>
</tr>
</tbody>
</table>

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 student participants. Cannot be used towards a math major.

Pre: 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, CS 293 and ME/CIVE 293.

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

<table>
<thead>
<tr>
<th>GE Category #</th>
<th>GE Category Name (Maximum of 3 Categories)</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>N/A</td>
<td></td>
</tr>
</tbody>
</table>

? 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:

a. Syllabus or course outline.

b. Course's student learning outcomes associated with each GE competency or CD designation.

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

☐ Other courses are being changed or eliminated. (Explain.)

☐ 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.

Revised September 2002
Minnesota State University, Mankato

Curriculum Proposal

***Signature Page***

Department

☑ Recommended

Not Recommended

Comments: See attached minutes of department meeting

Department Chair

Date

College Curriculum Committee

☑ Recommended

Not Recommended

Committee Chair

Date

College Dean

☑ Recommended

Not Recommended

Dean

Date

General Education Subcommittee

☑ Recommended

Not Recommended

General Education Subcommittees Chair

Date

Comments:

Undergraduate Curriculum and Academic Policy Committee

☑ Recommended

Not Recommended

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

Not Recommended

Assistant Vice President

Date

Comments:

Senior Vice President and Vice President for Academic Affairs

☑ Approved

Not Approved

Sr. Vice President / Vice Pres. Academic Affairs

Date

Comments:

3 Revised September 2002
List of resources required to offer and support this course: This course can be taught by current department faculty. No additional resources/materials are needed.

Description of how teaching this course will affect department staffing: This course will require 2 credits of faculty load per year if offered which will be supported by the NSF Grant.

This course will not be offered at the 500-level.
MATH 293: MAX Scholar Seminar (co-listed as ME/CIVE 293, CS 293, and BIOL 283)

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. Cannot be used towards Math major.

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,
- 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.

Minutes of the September 15, 2006 meeting were approved by consensus.

Mark Zuiker presented the proposal for the Broad Major in Statistics. (See attached)

Zuiker moved that Stat 492 Capstone Experience be approved and sent to the college curriculum committee. It was seconded by Wiest, a vote was taken and it was approved.

Zuiker moved that the Broad Statistics Major be accepted and sent to the college curriculum committee. Waters seconded the motion.
Motion passed.

Bill Lee moved and that the prerequisites for Stat 154 and Math 130 be changed to

- Must achieve a score of 18 or better on the MNSCU Math readiness Test, or have achieved an ACT Math subscore of 19 or higher, or successful completion of Math 098

Boyd seconded the motion.
Motion passed.

Boyd moved that the catalog description on Math 181 delete the words "to the fields of business and economics" Namyong Lee seconded the motion. A vote was taken and the motion passed.

The curriculum committee was given the charge to review all prerequisites in the catalog. The committee was also charged with developing a calculus course that will meet the needs of students seeking middle school licensure.

Zuiker moved that the department support CS option to take Math 181 for their new major.
Wiest seconded the motion. A vote was taken and the motion passed.

Rahman presented a proposal for two MAX Scholar Seminars. (See attached)
Namyong Lee moved that the MAX Courses be accepted.
Zuiker seconded the motion.
Motion passed.

Zuiker reported on the status of Chaska High School students' concurrent enrollment in Math 112. After the first year requirements to enroll in the course will be the same as on campus, There will be 3 sight visits, tests will be monitored for content and students will take the same final as students on campus.

Rahman reminded the faculty that the department does not have a representative to the search committee for the new dean and asked for volunteers.
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.