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.

(Check all that apply):

- College: Science, Engineering and Technology
- Undergraduate
- Department: Automotive and Manufacturing Engineering
- Graduate
- Program: Automotive Engineering Technology
- CIP #

Type of Change: COURSE PROPOSALS

Proposed:

Title Current:

Title Proposed:

24-Char. Abbrev:

Course Designator

Number

Credits

AET 488

1

Effective Date of Change:

Academic Year 07-08

(For Office Use Only)

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

The first of a two course sequence where students carry out their capstone design project. Weekly meetings are scheduled where the design team carries out the tasks required for completion. Formal design presentations and research papers are presented at the end of the course. Fall

Prerequisite: AET 387, MET 322; Corequisite: AET 468

Rationale or Justification for change:

See attached

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

General Education Course:

<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>

1 For Writing Intensive Courses, attach a description of the kind and quantity of writing.
2 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***

(Check all that apply): Instructional Type: Lecture Course will be offered:

- Course is an elective.
- Grading Format: [Grade] [P/N]
- Pre- or Co-requisites:

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.
<table>
<thead>
<tr>
<th>Committee</th>
<th>Signature</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department</td>
<td></td>
<td>10/10/07</td>
</tr>
<tr>
<td>College Curriculum Committee</td>
<td></td>
<td>1/24/08</td>
</tr>
<tr>
<td>College Dean</td>
<td></td>
<td>1/25/08</td>
</tr>
<tr>
<td>General Education Subcommittee</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Undergraduate Curriculum and Academic Policy Committee</td>
<td></td>
<td>3/1/08</td>
</tr>
<tr>
<td>Faculty Association Graduate Committee</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Graduate Dean</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Academic Affairs Council</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Senior Vice President and Vice President for Academic Affairs</td>
<td></td>
<td>3/14/08</td>
</tr>
</tbody>
</table>
Statistics 154 has been moved to a co-requisite to AET 387 Junior Design. AET 387 is the Junior Design course that prepares students for the Senior Design sequence. MET 322 is the Statics, Dynamics and Strength of Materials course and the material is necessary for many of the design projects. AET 468 Automotive Research has been made a co-requisite because the content in the course is required for the senior design sequence.