**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>Proposal #: 92</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department: Automotive and Manufacturing Engineering</td>
<td>Effective Date of Change:</td>
</tr>
<tr>
<td>Program:</td>
<td>Academic Year: 05-06</td>
</tr>
<tr>
<td>Type of Change: COURSE PROPOSALS</td>
<td>(For Office Use Only)</td>
</tr>
<tr>
<td>Proposed: Change in Number</td>
<td></td>
</tr>
<tr>
<td>Title Current: MET 245 Computer Aided Design</td>
<td>Course Designator and Number</td>
</tr>
<tr>
<td>Title Proposed: MET 142 Computer Aided Design</td>
<td>MET 245</td>
</tr>
<tr>
<td>24-Char. Abbrev: Computer Aided Design</td>
<td>MET 142</td>
</tr>
</tbody>
</table>

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

Computer Aided Design covers a process of developing and analyzing solid parametric models for mechanical applications. Course includes solving technical design problems based on real world applications as well as creation of technical documentation: working and assembly.

**Rationale or Justification for change:**

Drops prerequisite course MET 141, and makes this the introductory CAD course. This allows addition of in depth upper division MET 341 without increasing total credits.

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### 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>
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<td></td>
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</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.

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### For New Courses

<table>
<thead>
<tr>
<th>Instructional Type:</th>
<th>Lecture/Lab</th>
</tr>
</thead>
<tbody>
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</tbody>
</table>

Course will be offered:

- ☑ Fall Semester
- ☑ Spring Semester
- ☑ Summer Session

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.

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**Revised September 2002**
**For Program Proposals**

Attach paper copies of the following:

a. Student learning outcomes for the program.
b. Minutes from department and college curriculum meetings in which action was taken on this proposal.
d. List of program requirements for New programs, or a list of Current and Proposed program requirements for Redesigned programs.
e. A list of resources required to offer and support this program.
f. A description of how offering this program will affect department staffing.
g. A list of additional library holdings required for this program.

Please include rationale for any proposed changes in number of program credits:

**For Programs Requiring MnSCU Approval**

If any of the following changes are proposed, please fill out and attach MnSCU Program Approval Forms, which are available on the Academic Affairs Web site: [http://www.mnsu.edu/acadaf/html/currformsprocesses.htm](http://www.mnsu.edu/acadaf/html/currformsprocesses.htm)

1. **Creation** of an entirely new program.
2. **Redesign** of existing programs, which takes any of the following forms:
   - Addition or deletion of a program option. Options are part of program design in which 30-50% of the courses are required as part of a common core for all students, and which offers curriculum alternatives greater than 30% of the total number of credits in the major. Options are appropriate to baccalaureate or masters programs.
   - Addition or deletion of a program emphasis. Emphases are part of program design in which more than 50% of the courses are required as part of a common core for all students, and which offers curriculum alternatives with a minimum of nine credits. Emphases are appropriate to associate and baccalaureate programs.
   - Change in program name.
   - Change in program CIP #.
   - Change in TOTAL program credits.
   - Change in degree award. For example, changing a B.A. to B.S.
   - Creation of a new degree award in a related academic area. Examples include creation of a certificate program from an existing degree program, or a new degree program from an existing degree program (e.g., Art History BA from Art BA.)
3. **Relocation** of an existing program. This is a proposal to move an existing program from one site to be exclusively offered at another site, and requires closing the program offered at the original site. For example, a program offered both on-campus and through extended campus is to be offered only at the extended campus site.
4. **Replication** of an existing program. This is a proposal to offer an existing program at a new site, which may be an existing MnSCU-approved site, or another campus of the same institution. Replicated programs are offered at both the original site and the new location.
5. **Suspension** or reinstatement of a program. This proposal suspends admission of students into an existing program, and is good for three years. Reinstatement proposals request the reopening of student admissions into a given program.
6. **Closure** of a program. This proposal requests closure of an existing program and its from an institution's official inventory of academic programs. Unless a department seeks to re-open a suspended program, it should be closed within three years of suspension.
<table>
<thead>
<tr>
<th><strong>Department</strong></th>
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<tbody>
<tr>
<td><strong>College Curriculum Committee</strong></td>
</tr>
<tr>
<td><strong>College Dean</strong></td>
</tr>
<tr>
<td><strong>General Education Subcommittee</strong></td>
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<tr>
<td><strong>Undergraduate Curriculum and Academic Policy Committee</strong></td>
</tr>
<tr>
<td><strong>Faculty Association Graduate Committee</strong></td>
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<tr>
<td><strong>Graduate Dean</strong></td>
</tr>
<tr>
<td><strong>Academic Affairs Council</strong></td>
</tr>
<tr>
<td><strong>Senior Vice President and Vice President for Academic Affairs</strong></td>
</tr>
</tbody>
</table>

**Signature Page**

**Department Chair**

10-25-05

**Committee Chair**

10-27-05

**Dean**

10/31/05

**General Education Subcommittee Chair**

4/19/04

**UC&I Faculty Chair**

**Faculty Association Graduate Chair**

**Graduate Dean**

**Assistant Vice President**

**Sr. Vice President / Vice Pres. Academic Affairs**

**Revised September 2002**
<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MET 341</td>
<td>Advanced Computer Aided Design (4 cr)</td>
<td></td>
</tr>
<tr>
<td>MET 246</td>
<td>Computer Aided Design (3 cr)</td>
<td></td>
</tr>
<tr>
<td>MET 141</td>
<td>Computer Aided Design (4 cr)</td>
<td></td>
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<tr>
<td>AMET Major Core</td>
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<tr>
<td>2006-2007 Catalog</td>
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</tbody>
</table>

Automotive and Manufacturing Engineering Technology
AMET Department
Minutes of September 30, 2005

The meeting started at 10:05 a.m. with all department members present following the agenda distributed earlier by A. Goebel.

1. **Spring Schedule**: The Spring Schedule was distributed to the faculty. Each of the faculty assignments were discussed and changes noted. P. Haney will teach AET 364, Chassis Design and Emission/Performance Testing, Spring 2006. K. Ready has shown interest in teaching AET 366, Automotive Thermodynamics and Engine Design, if it will be offered on a Tuesday evening. J. Willaert will redo the schedule with changes and send to the faculty.

2. **Summer Schedule**: A. Goebel asked faculty members if they wished to teach a summer course. H. Petersen, A. Markowski and A. Goebel will be teaching summer courses.

3. **Deadlines and Reminders**: A. Goebel distributed a sheet with deadlines and reminders.

4. **Faculty Search Update and Planning**: B. Jones has met with the Dean and will be drafting a Notice of Vacancy. There is a contact at SCC that may be interested in teaching some of the courses next year.

5. **Industrial Advisory Board Meeting**: A. Goebel reminded faculty that the Industrial Advisory Board meeting will be held Thursday, October 13. A. Goebel will be gone that day for a meeting, but will be present with web-cam. All faculty are encouraged to attend if their schedule allows.

6. **Curriculum Proposal Changes**: H. Petersen and A. Markowski drafted syllabi to change the content of MET 141 and MET 245. Discussion followed (PS/GM – M/S/P). There will be an additional curriculum proposal change for MET 427; where as, the prerequisite of MET 427 will be changed to read “prerequisite course STAT 154, MET 277 or EET 241” (HP/PS – M/S/P).

   Amended #6: MET 427/MET 527 prerequisites will be basic manufacturing and design knowledge for industry sector discipline and elementary statistics.

The meeting adjourned at 10:57 a.m.

Respectfully submitted,

Jean Anne Willaert
Administrative Secretary

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Curriculum Committee WANTED
New Course Numbers. So —
141 will be dropped from program
AND offerings. 345 will be
renumbered to 341 and added
to program AND offerings, and
245’s number will be changed
to 142.