REQUEST TO COLLEGE CURRICULUM COMMITTEE FOR CURRICULAR IMPROVEMENTS

DEPARTMENT: EDMMS  PROPOSED EFFECTIVE SEMESTER: Spring 2018  COLLEGE: CEAS

PROPOSED IMPROVEMENTS

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<tr>
<th>Academic Program</th>
<th>Substantive Course Changes</th>
<th>Misc. Course Changes</th>
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<tbody>
<tr>
<td>□ New degree*</td>
<td>□ New course</td>
<td>□ Title</td>
</tr>
<tr>
<td>□ New major*</td>
<td>□ Pre or Co-requisites</td>
<td>□ Description (attach current &amp; proposed)</td>
</tr>
<tr>
<td>□ New curriculum*</td>
<td>□ Deletion (required by others)</td>
<td>□ Deletion (not required by others)</td>
</tr>
<tr>
<td>□ New concentration*</td>
<td>□ Course #, different level</td>
<td>□ Course #, same level</td>
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<tr>
<td>□ New certificate</td>
<td>□ Credit hours</td>
<td>□ Variable credit</td>
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<td>□ New minor</td>
<td>□ Enrollment restriction</td>
<td>□ Credit/no credit</td>
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<td>□ Revised major</td>
<td>□ Course-level restriction</td>
<td>□ Cross-listing</td>
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<tr>
<td>□ Revised minor</td>
<td>□ Prefix [ ] Title and description (attach current &amp; proposed)</td>
<td>□ COGE reapproval</td>
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<tr>
<td>□ Admission requirements</td>
<td>□ General education (select one)</td>
<td>□ Other (explain**)</td>
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<tr>
<td>□ Graduation requirements</td>
<td>□ Not Applicable</td>
<td></td>
</tr>
<tr>
<td>□ Deletion □ Transfer</td>
<td>□ Other (explain**)</td>
<td></td>
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</tbody>
</table>

** Other: Change the Undergraduate Catalog to reflect the semester when EDMM 3460 is actually offered.

Title of degree, curriculum, major, minor, concentration, or certificate: Engineering Design Technology

Existing course prefix and #: Proposed course prefix and #: Credit hours:

Existing course title:

Proposed course title:

Existing course prerequisite & co-requisite(s):
Proposed course prerequisite(s):
If there are multiple prerequisites, connect with "and" or "or". To remove prerequisites, enter "none."

Proposed course co-requisite(s):
If there are multiple corequisites, they are always joined by "and."

Proposed course prerequisite(s) that can also be taken concurrently:

Is there a minimum grade for the prerequisites or corequisites?
The default grades are D for undergraduates and C for graduates.

Major/minor or classification restrictions:
List the Banner 4 character codes and whether they should be included or excluded.

For 5000 level prerequisites & corequisites: Do these apply to: (circle one) undergraduates graduates both

Specifications for University Schedule of Classes:
a. Course title (maximum of 30 spaces):
b. Multi-topic course: □ No □ Yes
c. Repeatable for credit: □ No □ Yes
d. Mandatory credit/no credit: □ No □ Yes
e. Type of class and contact hours per week (check type and indicate hours as appropriate)
   1. □ Lecture
   2. □ Lab or discussion
   3. □ Lecture/lab/discussion
   4. □ Seminar or □ studio
   5. □ Independent study
   6. □ Supervision or practicum

CIP Code (Registrar's use only):

Chair/Director [Signature] Date 3/3/2017

Chair, College Curriculum Committee

Dean Date: Graduate Dean: Date

Curriculum Manager: Return to dean □ Date Forward to: Date

Chair, COGE/PEB/FS President

FOR PROPOSALS REQUIRING GSC/USC REVIEW:

* □ Approve □ Disapprove Chair, GSC/USC Date

* □ Approve □ Disapprove Provost Date

Revised May 2007. All previous forms are obsolete and should not be used.
1. Explain briefly and clearly the proposed improvement.

   EDMM 3460 is shown as being offered in the spring semester in the Undergraduate Catalog. The last time it was offered in spring was 1997.

2. Rationale. Give your reason(s) for the proposed improvement. (If your proposal includes prerequisites, justify those, too.)

   EDMM 3460 is only offered once a year in spring. With students doing more self-advising under Degree Works, there is the potential of a student losing a full year if they plan for EDMM 3460 in the fall.

3. Effect on other colleges, departments or programs. If consultation with others is required, attach evidence of consultation and support. If objections have been raised, document the resolution. Demonstrate that the program you propose is not a duplication of an existing one.

   N/A This change reflects the offerings of the last 19 years.

4. Effect on your department's programs. Show how the proposed change fits with other departmental offerings.

   None. The catalog change would show EDMM 3460 being exchanged with EDMM 3840 in the schedule, but EDMM 3840 is offered every semester.

5. Effects on enrolled students: Are program conflicts avoided? Will your proposal make it easier or harder for students to meet graduation requirements? Can students complete the program in a reasonable time? Show that you have considered scheduling needs and demands on students' time. If a required course will be offered during summer only, provide a rationale.

   It reduces the chance for student self-advising into the wrong semester.

6. Student or external market demand. What is your anticipated student audience? What evidence of student or market demand or need exists? What is the estimated enrollment? What other factors make your proposal beneficial to students?

   This can only improve demand, but little effect is expected.

7. Effects on resources. Explain how your proposal would affect department and University resources, including faculty, equipment, space, technology, and library holdings. Tell how you will staff additions to the program. If more advising will be needed, how will you provide for it? How often will course(s) be offered? What will be the initial one-time costs and the ongoing base-funding costs for the proposed program? (Attach additional pages, as necessary.)

   N/A.

8. General education criteria. For a general education course, indicate how this course will meet the criteria for the area or proficiency. (See the General Education Policy for descriptions of each area and proficiency and the criteria. Attach additional pages as necessary. Attach a syllabus if (a) proposing a new course, (b) requesting certification for baccalaureate-level writing, or (c) requesting reapproval of an existing course.) N/A

9. List the learning outcomes for the proposed course or the revised or proposed major, minor, or concentration. These are the outcomes that the department will use for future assessments of the course or program. N/A

10. Describe how this curriculum change is a response to assessment outcomes that are part of a departmental or college assessment plan or informal assessment activities. N/A

11. (Undergraduate proposals only) Describe, in detail, how this curriculum change affects transfer articulation for Michigan community colleges. For course changes, include detail on necessary changes to transfer articulation from Michigan community college courses. For new majors or minors, describe transfer guidelines to be developed with Michigan community colleges. For revisions to majors or minors, describe necessary revisions to Michigan community college guidelines. Department chairs should seek assistance from college advising directors or from the admissions office in completing this section. No change
PROPOSED CHANGE OF CATALOG ENTRY

Fifth Semester (16 hours)

- Approved Elective Credits: 3 hours
- General Education Area VIII: Health & Well Being Credit: 2 hours
- EDMM 2010: Thermodynamics Credits: 2 hours
- EDMM 2400: Programming for Computer Aided Design Credits: 3 hours
- EDMM 3440: Designing for Production Credits: 3 hours
- EDMM 3445: Metrology Credits: 3 hours

Sixth Semester (15 hours)

- Approved Elective Credits: 3 hours
- EDMM 3290: Engineering Cost Analysis Credits: 3 hours
- EDMM 3440: Product and Machine Design Credits: 3 hours
- EDMM 3445: Fluid Mechanics and Hydraulics Credits: 3 hours
- EDMM 4460: Advanced Computer Aided Design (CAD) Credits: 3 hours

Fifth Semester (16 hours)

- Approved Elective Credits: 3 hours
- General Education Area VIII: Health & Well Being Credit: 2 hours
- EDMM 2810: Thermodynamics Credits: 2 hours
- EDMM 3680: Fluid Mechanics and Hydraulics Credits: 3 hours
- EDMM 4460: Designing for Production Credits: 3 hours
- EDMM 3445: Metrology Credits: 3 hours

Sixth Semester (15 hours)

- Approved Elective Credits: 3 hours
- EDMM 3290: Engineering Cost Analysis Credits: 3 hours
- EDMM 3440: Product and Machine Design Credits: 3 hours
- EDMM 3445: Programming for Computer Aided Design Credits: 3 hours
- EDMM 4460: Advanced Computer Aided Design (CAD) Credits: 3 hours