Dave Reinhold
The proposal states a prerequisite change, but there also appears to be a course
description change. Please clarify and resubmit.

Department Contact Information:
- Start Date: 01-OCT-2017
- College: ME
- Department:
- Initiator Name: Kaseoeng Ro
- Department Email: kaseoeng.ro@wmich.edu
- Proposed Effective Term: 2018-04

Does course need General Education approval?
- N

Will course be used in teacher education?
- N

If 5000 level course, prerequisites apply to:
- B
  Change Course AE 5400
  Specific Course Change type selected: Pre or Co-requisites

1. Existing course prefix and number:
   AE 5400

2. Existing course prerequisites:
   No Prerequisites exist for AE 5400 in term 2018-04.

3. Proposed course prerequisites:
   ME 2500 and MATH 3740, with a grade of "B" or better on all prerequisites;
   or instructor approval.

4. Existing course corequisites:
   No Corequisites exist for AE 5400 in term 2018-04.

5. Proposed course corequisites:
   none

6. Proposed course prerequisites that may be taken concurrently (before or
   at the same time):
   none

7. Minimum grade for prerequisites:
   B

8. Major and/or minor restrictions:
   Not Applicable

9. List all the four-digit major and/or minor codes (from Banner) that are
   to be included or excluded:
   No Major Restrictions exist for AE 5400 in term 2018-04.

10. Classification restrictions:
    Exclude

11. List all the classifications (freshman, sophomore, junior, senior) that
    are to be included or excluded:
    The following student classifications are restricted from taking this
    course:
    Sophomore
    Freshman

12. Level restriction:
    Not Applicable

13. List the level (undergraduate, graduate) that is to be included or
    excluded.
    Not Applicable

A. Please choose Yes or No to indicate if this class is a Teacher Education
   class:
   No

B. Please choose the applicable class level:
   Both
C. Please choose Yes or No to indicate if this class is a General Education class:
No

D. Explain briefly and clearly the proposed improvement. To rectify the current catalog to include appropriate pre-requisite courses for AE 5400 Aerospace Vehicle Dynamics

E. Rationale. Give your reason(s) for the proposed improvement. (If your proposal includes prerequisites, justify those, too.). This course is an advanced level dynamics for senior/graduate students. ME 2580 Dynamics and MATH 3748 Differential Equations and Linear Algebra are core fundamental topics for this course.

F. List the student 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.
- To learn basic principles of analytical three-dimensional kinematics of mechanical and aerospace systems
- To learn basic principles of three-dimensional Newton-Euler dynamic analysis with application to mechanical and aerospace systems
- To learn basic principles of three-dimensional Lagrange-kane dynamics with application to mechanical and aerospace systems
- To learn to formulate and solve kinematic and dynamic problems of mechanical and aerospace systems.

G. Describe how this curriculum change is a response to student learning assessment outcomes that are part of a departmental or college assessment plan or informal assessment activities. This change is in response of making the online catalog of department course description most up-to-date, so that students be informed of appropriate pre-requisites as well as put necessary restrictions for registering online.

H. 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.

None

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Department Curriculum Chair approver: Kapseong Ro
Date: 25-FEB-2018

Chair approver: Koorosh Naghshine
Date: 27-FEB-2018

* Curriculum Committee Approval

- ☐ Approve
- ☐ Deny

Reason for denial:

Comment:

Enter Proposal number only if approved:

Proposal Number: CEAS-17-032-MAE

Complete | Save & Close | Cancel

Attachments

Attach File