TO: The Faculty of the College of Engineering
FROM: The School of Aeronautics and Astronautics
RE: Change to Existing Course AAE 45000 Spacecraft Design prerequisites

The faculty of the School of Aeronautics and Astronautics has approved the following changes to AAE 45000. This action is now submitted to the Engineering Faculty with a recommendation for approval.

From: AAE 45000 Spacecraft Design
Sem. Fall, Spring; Cr 3; Lecture 3
Restrictions: May not be enrolled as the following classifications:
  Freshman: 0 – 14 hours
  Freshman: 15 – 29 hours
  Sophomore: 30 – 44 hours
  Sophomore: 45 – 59 hours
  Junior: 60 – 74 hours
  Junior: 75 – 89 hours

To: AAE 45000 Spacecraft Design
Sem. Fall, Spring; Cr 3; Lecture 3
Pre-requisites: AAE 33400 Minimum Grade of D-, AAE 34000 Minimum Grade of D-, AAE 35200 Minimum Grade of D-, AAE 36400 Minimum Grade of D-, AAE 40000 Minimum Grade of S (May be taken concurrently).

Reason: The new pre-requisites more accurately reflect the expectations coming into the course. Senior classification in Banner does not ensure senior status in the AAE Program.

[Signature]
Tom I-P. Shih, Professor and Head
School of Aeronautics and Astronautics

[Signature]
Approved for the Faculty
Of the Schools of Engineering
By the Engineering
Curriculum Committee

ECC Minutes #12
Date 1/19/2013
Chairman ECC
PURDUE UNIVERSITY
REQUEST FOR ADDITION, EXPIRATION,
OR REVISION OF AN UNDERGRADUATE COURSE
(10000-40000 LEVEL)

DEPARTMENT: School of Aeronautics and Astronautics
EFFECTIVE SESSION: Spring 2014

INSTRUCTIONS: Please check the items below which describe the purpose of this request.

☐ 1. New course with supporting documents
☐ 2. Add existing course offered at another campus
☐ 3. Expiration of a course
☐ 4. Change in course number
☐ 5. Change in course title
☐ 6. Change in course credit/type
☐ 7. Change in course attributes (department head signature only)
☐ 8. Change in instructional hours
☐ 9. Change in course description
☐ 10. Change in course prerequisites
☐ 11. Change in semesters offered (department head signature only)
☐ 12. Transfer from one department to another

PROPOSED:

Subject Abbreviation: AAE
Course Number: 45000
Long Title: Spacecraft Design
Short Title: 

EXISTING:

Subject Abbreviation: 
Course Number: 

TERMS OFFERED: Check all that apply:
☐ Summer
☐ Fall
☐ Spring

CAMPUS(ES) INVOLVED:
- Calumet
- Cont Ed
- Ft. Wayne
- Indianapolis
- N. Central
- Tech Statewide
- W. Lafayette

Abbreviated title will be entered by the Office of the Registrar if omitted. (30 CHARACTERS ONLY)

CREDIT TYPE

1. Fixed Credit: Cr. Hrs.

2. Variable Credit Range: Minimum Cr. Hrs. (Check One) To Or Maximum Cr. Hrs.

3. Equivalent Credit: Yes No

COURSE ATTRIBUTES: Check all that apply

1. Pass/Not Pass Only
2. Satisfactory/Unsatisfactory Only
3. Repeatable
4. Maximum Repeatable Credit: 
5. Credit by Examination
6. Registration Approval Type Department Instructor
7. Variable Title
8. Honors
9. Full Time Privilege
10. Off Campus Experience

Schedule Type
Lecture: Minutes Per Mtg 50 Meetings Per Week 2 Weeks Offered 16 % of Credit Allocated 100

Recreation
Presentation
Lab Prep
Work
Distance
Clinic
Experiential
Research
Ind. Study
Pract/Observ

COURSE DESCRIPTION (INCLUDE REQUISITES/RESTRICTIONS):
Pre-requisites: AAE 33400 Minimum Grade of D-, AAE 34000 Minimum Grade of D-, AAE 35200 Minimum Grade of D-, AAE 36400 Minimum Grade of D-, AAE 40000 Minimum Grade of S (May be taken concurrently). Senior students perform a team-based spacecraft design, requiring application of the education and skills developed in the aerospace curriculum. Components include analysis methods for preliminary design, development of an initial vehicle concept, and development of a complete numerical model of the mission, culminating in oral and written reports by the teams.

* COURSE LEARNING OUTCOMES:

Calumet Department Head Date
Ft. Wayne Department Head Date
Indianapolis Department Head Date
North Central Department Head Date
West Lafayette Department Head Date

Calumet School Dean Date
Ft. Wayne School Dean Date
Indianapolis School Dean Date
North Central Chancellor Date
West Lafayette Registrar Date

OFFICE OF THE REGISTRAR

RECEIVED
APR 2-3 2013

[Signatures and dates]