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APR 24 2013

Engineering Faculty Document No. 5-13

January 17, 2013

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OFFICE OF THE REGISTRAR

TO: The Faculty of the College of Engineering

FROM: The School of Aeronautics and Astronautics

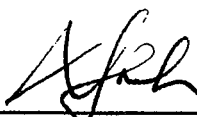
RE: Change to Existing Course AAE 45000 Spacecraft Design prerequisites

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

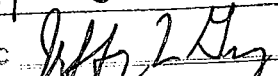
To: AAE 45000 Spacecraft Design
Sem. Fall, Spring; Cr 3; Lecture 3
Pre-requisites: AAE 33400 Minimum Grade of D-, AAE 34000 Minimum Grade of D-, AAE 35200 Minimum Grade of D-, AAE 36400 Minimum Grade of D-, AAE 40000 Minimum Grade of S (May be taken concurrently).

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.



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

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)

Print Form

DEPARTMENT School of Aeronautics and Astronautics

EFFECTIVE SESSION Spring 2014 (2014-20)

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

- | | |
|---|---|
| <input type="checkbox"/> 1. New course with supporting documents | <input type="checkbox"/> 7. Change in course attributes (department head signature only) |
| <input type="checkbox"/> 2. Add existing course offered at another campus | <input type="checkbox"/> 8. Change in instructional hours |
| <input type="checkbox"/> 3. Expiration of a course | <input type="checkbox"/> 9. Change in course description |
| <input type="checkbox"/> 4. Change in course number | <input checked="" type="checkbox"/> 10. Change in course requisites |
| <input type="checkbox"/> 5. Change in course title | <input type="checkbox"/> 11. Change in semesters offered (department head signature only) |
| <input type="checkbox"/> 6. Change in course credit/type | <input type="checkbox"/> 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 N. Central
 Cont Ed Tech Statewide
 Ft. Wayne W. Lafayette
 Indianapolis

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
- Maximum Repeatable Credit:
4. Credit by Examination
5. Special Fees
6. Registration Approval Type
 Department Instructor
7. Variable Title
8. Honors
9. Full Time Privilege
10. Off Campus Experience

Schedule Type	Minutes Per Mtg	Meetings Per Week	Weeks Offered	% of Credit Allocated
Lecture	50	2	16	100
Recitation				
Presentation				
Laboratory	150	1	16	0
Lab Prep				
Studio				
Distance				
Clinic				
Experiential				
Research				
Ind. Study				
Pract/Observ				

Cross-Listed Courses

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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 _____	Calumet School Dean _____ Date _____
Fort Wayne Department Head _____ Date _____	Fort Wayne School Dean _____ Date _____
Indianapolis Department Head _____ Date _____	Indianapolis School Dean _____ Date _____
North Central Department Head _____ Date _____	North Central Chancellor _____ Date _____
West Lafayette Department Head _____ Date <u>2/6/13</u>	West Lafayette College/School Dean _____ Date <u>4/29/13</u>
	West Lafayette Registrar _____ Date <u>6/3/13</u>

OFFICE OF THE REGISTRAR

5-13
5/31/13