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APR 24 2013

OFFICE OF THE REGISTRAR

Engineering Faculty Document No. 6-13

January 17, 2013

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**TO:** The Faculty of the College of Engineering  
**FROM:** The School of Aeronautics and Astronautics  
**RE:** Change to Existing Course AAE 45100 Aircraft Design prerequisites

The faculty of the School of Aeronautics and Astronautics has approved the following changes to AAE 45100. This action is now submitted to the Engineering Faculty with a recommendation for approval.

**From:** AAE 45100 Aircraft 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 45100 Aircraft 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 4/19/2013

Chairman ECC 

**PURDUE UNIVERSITY**

**REQUEST FOR ADDITION, EXPIRATION,  
OR REVISION OF AN UNDERGRADUATE COURSE  
(10000-40000 LEVEL)**

Print Form

Office of the Registrar  
FORM 40 REV. 11/09

DEPARTMENT School of Aeronautics and Astronautics

EFFECTIVE SESSION Spring 2014

(201420)

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 45100  
Long Title Aircraft Design  
Short Title \_\_\_\_\_

**EXISTING:**

Subject Abbreviation \_\_\_\_\_  
Course Number \_\_\_\_\_  
Long Title \_\_\_\_\_  
Short Title \_\_\_\_\_

**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 aircraft design, requiring application of the education and skills developed in the aerospace curriculum. Aircraft mission requirements include engine cycle selection and airframe/engine integration, performance, stability and control, structures, human factors, avionics, sensors, and manufacturing processes. The teams present oral and written reports on their designs

**\*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 _____	West Lafayette College/School Dean _____ Date _____

*[Signature]* \_\_\_\_\_ Date 6/3/13  
West Lafayette Registrar

OFFICE OF THE REGISTRAR

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