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
PURDUE UNIVERSITY
REQUEST FOR ADDITION, EXPIRATION,
OR REVISION OF AN UNDERGRADUATE COURSE
(19000-49000 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: 45100
- Long Title: Aircraft Design
- Short Title: Aircraft Design

EXISTING:

TERMS OFFERED
Check All That Apply:
- Summer
- Fall
- Spring

CAMPUS(ES) INVOLVED
- Calumet
- Cont Ed
- N. Central
- 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
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

- Lecture ____________ Recitation ____________ Presentation ____________
- Laboratory ____________ Lab Prep ____________ Studio ____________
- Distance ____________ Clinic ____________ Experiential ____________
- Research ____________ Ind. Study ____________ Pract/Observ ____________

Weeks Offered: 16
% of Credit Allocated: 100

Cross-Listed Courses

RECEIVED

APR 23, 2013

OFFICE OF THE REGISTRAR

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 35400 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:

Culumberm 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

West Lafayette Registrar Date

OFFICE OF THE REGISTRAR

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