TO: The Faculty of the College of Engineering
FROM: The School of Aeronautics and Astronautics
RE: Change to Existing Course AAE 25100 Introduction to Aerospace Design prerequisites

The faculty of the School of Aeronautics and Astronautics has approved the following changes to AAE 25100. This action is now submitted to the Engineering Faculty with a recommendation for approval.

From: AAE 25100 Introduction to Aerospace Design
Sem. Fall, Spring; Cr 3; Lecture 3
Pre-requisites: ENGR 13200 Minimum Grade of D-

To: AAE 25100 Introduction to Aerospace Design
Sem. Fall, Spring; Cr 3; Lecture 3
Pre-requisites: ENGR 13200 Minimum Grade of D- and CGT 16300 Minimum Grade of D-, AAE 20000 (may be taken concurrently)

Reason: The new pre-requisites more accurately reflect the expectations coming into the course.

[Signature]
Tom I-P. Shin, 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 [Signature]
PURDUE UNIVERSITY
REQUEST FOR ADDITION, EXPIRATION,
OR REVISION OF AN UNDERGRADUATE COURSE
(10000-4999 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 requisites
☐ 11. Change in semesters offered (department head signature only)
☐ 12. Transfer from one department to another

PROPOSED:
Subject Abbreviation: AAE
Course Number: 25100
Long Title: Introduction to Aerospace Design
Short Title: 

EXISTING:

COURSE ATTRIBUTES: Check All That Apply
☐ Pass/Not Pass Only
☐ Satisfactory/Unsatisfactory Only
☐ Repeatable
☐ Credit by Examination
☐ Full Time Privilege
☐ Instructor

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

CAMPUS(ES) INVOLVED
□ Calumet
□ Cont Ed
□ Ft. Wayne
□ Indianapolis
□ N. Central
□ Tech Statewide
□ West Lafayette

Abbreviated title will be entered by the Office of the Registrar if omitted. (50 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

Schedule/Type
Lecture
Recitation
Presentation
Laboratory
Lab Prep
Studio
Distance
Clinic
Experiential
Research
Ind. Study
Pract/Observer

Minutes Per Mtg.
Meetings Per Week
Weeks Offered
% of Credit Allocated

Cross-Listed Courses

RECEIVED
APR 2, 2013
OFFICE OF THE REGISTRAR

COURSE DESCRIPTION (INCLUDE REQUISITES/RESTRICTIONS):
Pre-requisites: ENGR 13200 Minimum Grade of D- and CGT 16300 Minimum Grade of D-, AAE 20000 (may be taken concurrently)
The role of design in aerospace engineering. Introduction to aerodynamics, performance, propulsion, structures, stability and control, and weights. Layout and general arrangement of aerospace vehicles. Design concept generation and selection. Computational methods for design, Trade studies and graphical optimization. Conceptual design exercise involving aircraft, spacecraft, or both. Technical presentations and communication for aerospace engineering.

*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 Dean
Date

West Lafayette Registrar
Date

OFFICE OF THE REGISTRAR

7-13
17-5-13