

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

Print Form

EFD 49-11

DEPARTMENT Aeronautics and Astronautics

EFFECTIVE SESSION Spring 2012

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

(201220)

- |   |   |
|---|---|
| <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 25100

Long Title Introduction to Aerospace Design

Short Title Intro to Aerospace Design

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

**EXISTING:**

Subject Abbreviation \_\_\_\_\_

Course Number \_\_\_\_\_

**TERMS OFFERED**

Check All That Apply:

- Fall     Spring     Summer

**CAMPUS(ES) INVOLVED**

- |                                       |  |
|---------------------------------------|--|
| <input type="checkbox"/> Calumet      | <input type="checkbox"/> N. Central              |
| <input type="checkbox"/> Cont Ed      | <input type="checkbox"/> Tech Statewide          |
| <input type="checkbox"/> Ft. Wayne    | <input checked="" type="checkbox"/> W. Lafayette |
| <input type="checkbox"/> Indianapolis |  |

**CREDIT TYPE**

1. Fixed Credit: Cr. Hrs. 3
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**

- |  |   |
|--|---|
| <input type="checkbox"/> 1. Pass/Not Pass Only               | <input type="checkbox"/> 6. Registration Approval Type<br>Department <input type="checkbox"/> Instructor <input type="checkbox"/> |
| <input type="checkbox"/> 2. Satisfactory/Unsatisfactory Only | <input type="checkbox"/> 7. Variable Title  |
| <input type="checkbox"/> 3. Repeatable                       | <input type="checkbox"/> 8. Honors  |
| Maximum Repeatable Credit: _____                             | <input type="checkbox"/> 9. Full Time Privilege   |
| <input type="checkbox"/> 4. Credit by Examination            | <input type="checkbox"/> 10. Off Campus Experience  |
| <input type="checkbox"/> 5. Special Fees                     |   |

Schedule Type	Minutes Per Mtg	Meetings Per Week	Weeks Offered	% of Credit Allocated
Lecture	50	3	16	100
Recitation				
Presentation				
Laboratory				
Lab Prep				
Studio				
Distance				
Clinic				
Experiential				
Research				
Ind. Study				
Pract/Observ				

OFFICE OF THE REGISTRAR  
RECEIVED  
2011 AUG -9 AM 9:43  
Cross-Listed Courses

**COURSE DESCRIPTION (INCLUDE REQUISITES/RESTRICTIONS):**

Pre-requisite - ENGR 13200  
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 Faculty Senate Chair _____ Date _____	Vice Chancellor for Academic Affairs _____ Date _____
West Lafayette Department Head _____ Date _____	West Lafayette College/School Dean _____ Date _____

*Sandra Deffer*  
West Lafayette Registrar  
8/12/11

8/12/11



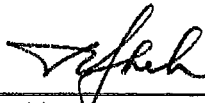
**TO:** The Faculty of the College of Engineering  
**FROM:** School of Aeronautics and Astronautics of the College of Engineering  
**RE:** Change to Existing Course AAE 25100 Introduction to Aerospace Design prerequisites

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  
ENGR 12600 minimum grade of D- or ENGR 12100 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-

**Reason:** First-Year Engineering renumbered its courses.



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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 #19  
Date 5/4/2011  
Chairman ECC R. Cipra

