

DEPARTMENT Aeronautics & Astronautics

DATE SUBMITTED 03/05/03

DATE EFFECTIVE Fall 2001

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

PURPOSE

- | | |
|---|---|
| <input type="checkbox"/> 1. Deletion of a course | <input type="checkbox"/> 8. Change in semesters offered |
| <input type="checkbox"/> 2. New course with supporting documents | <input type="checkbox"/> 9. Change in course credit/type |
| <input type="checkbox"/> 3. Add existing course offered at another campus | <input type="checkbox"/> 10. Change in course attributes |
| <input type="checkbox"/> 4. Change in course number at same level | <input type="checkbox"/> 11. Change in instructional hours |
| <input type="checkbox"/> 5. Downgrading of course level | <input checked="" type="checkbox"/> 12. Change in prerequisites |
| <input type="checkbox"/> 6. Upgrading of course level | <input type="checkbox"/> 13. Change in description of course content |
| <input type="checkbox"/> 7. Change in course title | <input type="checkbox"/> 14. Transfer of course from one dept. to another |

EXISTING:

Subject Abbreviation AAE
Course Number 251

PROPOSED:

Subject Abbreviation _____
Course Number _____

SEMESTERS OFFERED

Check All That Apply.

Summer Fall Ag Winter Spring

Proposed Title _____

Variable Title Yes No

Abbreviated Title _____

Abbreviated title will be entered by the Office of the Registrar if omitted. (22 CHARACTERS ONLY)

CROSS LISTED COURSES

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
4. Thesis Credit: Yes No

COURSE ATTRIBUTES: Check All That Apply.

1. Pass/Not Pass Only
2. Repeatable for Credit
3. Available for Credit by Examination
4. Designator Required
5. Special Fees
6. Approval Required for Enrollment
- Department _____
Instructor _____

Instructional Type

Class Hours

FTE

Instructional Type

Class Hours

FTE

Instructional Type

Class Hours

FTE

CAMPUS(ES) INVOLVED

Primary _____
Secondary _____
Laboratory _____
Lab. Prep. _____

3 _____

Auto-tutorial _____
Ind. Study _____
Clinic _____
Experiential _____

Thesis _____
Observation _____
Mats Based _____

Calumet
Fort Wayne
Indianapolis
North Central
West Lafayette
Off Campus

COURSE DESCRIPTION (PREREQUISITES INCLUDED):

AAE 251 Introduction to Aerospace Design, Sem. 1 and 2, class 3, cr. 3

Prerequisite: ENGR 106; corequisite: CGT 163

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.

Calumet Undergrad Curriculum Committee	Date	Calumet Department Head	Date	Calumet School Dean	Date
Fort Wayne Department Head	Date	Fort Wayne School Dean	Date	Fort Wayne Chancellor <i>Michael D. Zoltowski</i> Apr. for Faculty #972 M.D. Zoltowski, Chair 4/5/03	Date
Indianapolis Department Head	Date	Indianapolis School Dean	Date	Undergrad Curriculum Committee	Date
North Central Department Head	Date	North Central Vice Chancellor	Date	Date Approved by Graduate Council	
<i>John A. ...</i> West Lafayette Department Head	<u>3/6/03</u> Date	<i>...</i> West Lafayette School Dean	<u>4/9/03</u> Date	Graduate Council Secretary <i>Debra Sheets</i>	Date
Graduate Area Committee Convener	Date	Graduate Dean	Date	West Lafayette OFFICIAL	Date