

DEPARTMENT Aeronautics & Astronautics

DATE SUBMITTED 10/23/01

DATE EFFECTIVE Fall 2002

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

PURPOSE

- |   |   |
|---|---|
| <input checked="" 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 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:

PROPOSED:

Subject Abbreviation AAE  
Course Number 551

Subject Abbreviation A&AE  
Course Number 551

SEMESTERS OFFERED

Check All That Apply.

Summer  Fall  Ag Winter  Spring

Proposed Title Design Theory and Methods for Aerospace Systems

Variable Title Yes  No

Abbreviated Title Des Theo Meth Aero Sys

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

CROSS LISTED COURSES

CREDIT TYPE

- Fixed Credit: Cr. Hrs. 3
- Variable Credit Range:  
Minimum Cr. Hrs \_\_\_\_\_  
(Check One) To  Or   
Maximum Cr. Hrs \_\_\_\_\_
- Equivalent Credit: Yes  No
- Thesis Credit: Yes  No

COURSE ATTRIBUTES: Check All That Apply.

- Pass/Not Pass Only
- Repeatable for Credit
- Available for Credit by Examination
- Designator Required
- Special Fees
- Approval Required for Enrollment  
Department \_\_\_\_\_  
Instructor \_\_\_\_\_

Instructional Type	Class Hours	FTE	Instructional Type	Class Hours	FTE	Instructional Type	Class Hours	FTE
Primary	3		Auto-tutorial			Thesis		
Secondary			Ind. Study			Observation		
Laboratory			Clinic			Mats Based		
Lab. Prep.			Experiential					

CAMPUS(ES) INVOLVED

- Calumet
- Fort Wayne
- Indianapolis
- North Central
- West Lafayette
- Off Campus

COURSE DESCRIPTION (PREREQUISITES INCLUDED):

A&AE 551 Design Theory and Methods for Aerospace Systems  
Sem. 1. Class 3, cr 3. Prerequisite: undergraduate design course.

Introduction to design theory, aerospace design process, design specification and requirements, concept generation and selection, design decomposition, improving designs, process design, concurrent engineering. Design for assembly / manufacture. Projects allow for application and critical analysis of design methods.  
L and Professor Crossley.

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 <u>C.D. Sutton</u> #954 Date Appr. for Faculty <u>C.D. Sutton, Chair</u> 11/14/01
Indianapolis Department Head _____ Date	Indianapolis School Dean _____ Date	Undergrad Curriculum Committee _____ Date
North Central Department Head _____ Date	North Central Vice Chancellor _____ Date	APPROVED 2/21/02 Date Approved by Graduate Council _____
West Lafayette Department Head <u>Shu A. Jan</u> 10/25/01 Date	West Lafayette School Dean <u>L. King</u> 1/3 Nov 01 Date	Graduate Council Secretary <u>Marilyn D. Heist</u> 4/5/02 Date
Graduate Area Committee Convener <u>R. Bl</u> 2/21/02 Date	Graduate Dean _____ Date	West Lafayette Registrar <u>Debra Shuts</u> 4/25/02 Date