

PURDUE UNIVERSITY
REQUEST FOR ADDITION, DELETION,
OR REVISION OF A COURSE

SCHOOL DOCUMENT NO. 5-04

GRADUATE COUNCIL DOCUMENT NO. 05-18b

DEPARTMENT Aeronautics & Astronautics

DATE SUBMITTED 1/25/05

DATE EFFECTIVE Fall 2005

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 checked="" 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:

SEMESTERS OFFERED

Subject Abbreviation
Course Number

Subject Abbreviation AAE
Course Number 575

Check All That Apply.

Summer Fall Ag Winter Spring

Proposed Title Introduction to Satellite Navigation and Positioning

Variable Title Yes No

Abbreviated Title Intr Sat. Nav. & Pos.

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
Primary
Secondary
Laboratory
Lab. Prep.

Class Hours 3
FTE _____

Instructional Type
Auto-tutorial
Ind. Study
Clinic
Experiential

Class Hours _____
FTE _____

Instructional Type
Thesis
Observation
Matts Based

Class Hours _____
FTE _____

CAMPUS(ES) INVOLVED

Calumet
Fort Wayne
Indianapolis
North Central
West Lafayette
Off Campus

COURSE DESCRIPTION (PREREQUISITES INCLUDED):

AAE 575 Introduction to Satellite Navigation and Positioning
Sem. 1, Class 3, cr. 3.
Prerequisite: AAE 301, ECE301, ME365, or equivalent.

Introduction to radio-navigation techniques, using the Global Navigation Satellite System (GNSS); GNSS signal structures; satellite search and acquisition; satellite tracking; coordinate systems and time; observations; atmospheric effects; and position-velocity-time (PVT) solutions. Professor Garrison.

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 _____ 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 _____

West Lafayette Department Head _____ Date _____ West Lafayette School Dean _____ Date _____ Graduate Council Secretary _____ Date _____

Graduate Area Committee Convener _____ Date _____ Graduate Dean _____ Date _____ West Lafayette Registrar _____ Date _____

Robert Montgomery 2/15/05
APPROVED 4/21/05

Marilyn D. Heist 5/20/05
Graduate Council Secretary

Debra K. Sheets
West Lafayette Registrar

MAY 31 2005



JUN 2 2005

ADMINISTRATION