**PURDUE UNIVERSITY**

**REQUEST FOR ADDITION, DELETION, OR REVISION OF A COURSE**

**DEPARTMENT**: Aeronautics & Astronautics  
**DATE SUBMITTED**: 1/25/05  
**DATE EFFECTIVE**: Fall 2006

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

**PURPOSE**

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

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**EXISTING**

- Subject Abbreviation: AAE  
- Course Number: 575  
- Proposed Title: 'Introduction to Satellite Navigation and Positioning'  
- Variable Title: Yes  
- Abbreviated Title: 'Intr Sat. Nav. & Pos.'  
- Abbreviated title will be entered by the Office of the Registrar if omitted. (22 CHARACTERS ONLY)

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**PROPOSED**

- Subject Abbreviation: AAE  
- Course Number: 575  
- Proposed Title: 'Introduction to Satellite Navigation and Positioning'  
- Variable Title: Yes  
- Abbreviated Title: 'Intr Sat. Nav. & Pos.'  
- Abbreviated title will be entered by the Office of the Registrar if omitted. (22 CHARACTERS ONLY)

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**CROSS LISTED COURSES**

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**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

**CAMPUS(ES) INVOLVED**

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

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**COURSE DESCRIPTION (PREREQUISITES INCLUDED):**

AE 575 Introduction to Satellite Navigation and Positioning
Sem. 1, Class 3, cr. 3.
Prerequisite: AAE 301, ECE 301, ME 365, 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.

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**APPROVED**

- 4/21/05

**OFFICE OF THE REGISTRAR**