TO: The Faculty of the College of Engineering
FROM: The School of Aeronautics and Astronautics
RE: Change to Existing Course AAE 42100 Flight Dynamics and Control prerequisites

The faculty of the School of Aeronautics and Astronautics has approved the following changes to AAE 42100. This action is now submitted to the Engineering Faculty with a recommendation for approval.

From: AAE 42100 Flight Dynamics and Control
Sem. Fall, Spring; Cr 3; Lecture 3
Pre-requisites: AAE 34000 Minimum Grade of D- (may be taken concurrently)

To: AAE 42100 Flight Dynamics and Control
Sem. Fall, Spring; Cr 3; Lecture 3
Pre-requisites: AAE 34000 Minimum Grade of D- and AAE 36400 Minimum Grade of D- (may be taken concurrently), AAE 30000 Minimum Grade of S

Reason: The new pre-requisites more accurately reflect the expectations coming into the course.

[Signature]
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 12
Date 4/19/2013
Chairman ECC [Signature]
PURDUE UNIVERSITY
REQUEST FOR ADDITION, EXPIRATION,
OR REVISION OF AN UNDERGRADUATE COURSE
(10000-40000 LEVEL)

DEPARTMENT: School of Aeronautics and Astronautics
EFFECTIVE SESSION: Spring 2014

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

- New course with supporting documents
- Add existing course offered at another campus
- Expiration of a course
- Change in course number
- Change in course title
- Change in course credit type
- Change in course attributes (department head signature only)
- Change in instructional hours
- Change in course description
- Change in course prerequisites
- Change in semesters offered (department head signature only)
- Transfer from one department to another

PROPOSED:
- Subject Abbreviation: AAE
- Course Number: 42100
- Long Title: Flight Dynamics and Control
- Short Title: Abbreviated title will be entered by the Office of the Registrar if omitted.

EXISTING:
- Subject Abbreviation
- Course Number

TERMS OFFERED:
- Check All That Apply:
  - Summer
  - Fall
  - Spring
  - CAMPUS(ES) INVOLVED:
    - Calumet
    - N. Central
    - Cont Ed
    - Tech Statewide
    - Ft. Wayne
    - W. Lafayette
    - Indianapolis

CREDIT TYPE
- Fixed Credit: Cr. Hrs.
- Variable Credit Range:
  - Minimum Cr. Hrs:
    - (Check One)
      - To
      - Or
  - Maximum Cr. Hrs:
- Equivalent Credit: Yes

COURSE ATTRIBUTES: Check All That Apply
- Pass/Not Pass Only
- Satisfactory/Unsatisfactory Only
- Repeatable
- Maximum Repeatable Credit:
- Credit by Examination
- Special Fees
- Registration Approval Type:
  - Department
  - Instructor

Course Description (Include Requisites/Restrictions):
Pre-requisites: AAE 34000 Minimum Grade of D- and AAE 35400 Minimum Grade of D- (may be taken concurrently), AAE 30000 Minimum Grade of S
Flight vehicle rigid-body equations of motion, linearization via small perturbation techniques. Trim analysis, static and dynamic stability, aerodynamic stability derivatives and control effectiveness. Vehicle transfer functions, stability augmentation, aircraft handling qualities. Introduction to flexible vehicle effects.

*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 Department Head: ____________________ Date: ____________
North Central Chancellor: ____________________ Date: ____________

West Lafayette Department Head: ____________________ Date: ____________
West Lafayette College School Dean: ____________________ Date: ____________

OFFICE OF THE REGISTRAR

RECEIVED
APR 23 2013

31-13
3/31/13