TO: The Faculty of the College of Engineering

FROM: The School of Aeronautics and Astronautics

RE: Change to Existing Course AAE 37200 Jet Propulsion Power Plants prerequisites

The faculty of the School of Aeronautics and Astronautics has approved the following changes to AAE 37200. This action is now submitted to the Engineering Faculty with a recommendation for approval.

From: AAE 37200 Jet Propulsion Power Plants
Sem. Fall, Spring; Cr 3; Lecture 3
Pre-requisites: AAE 33400 Minimum Grade of D- (may be taken concurrently)

To: AAE 37200 Jet Propulsion Power Plants
Sem. Fall, Spring; Cr 3; Lecture 3
Pre-requisites: AAE 33400 Minimum Grade of D- (may be taken concurrently)
and ME 20000 Minimum Grade D-, AAE 20000 Minimum Grade of S

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

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 9/19/2013
Chairman ECC
**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:

<table>
<thead>
<tr>
<th></th>
<th>New course with supporting documents</th>
<th>Add existing course offered at another campus</th>
<th>Expiration of a course</th>
<th>Change in course number</th>
<th>Change in course title</th>
<th>Change in course credit/type</th>
<th>Change in course attributes (department head signature only)</th>
<th>Change in instructional hours</th>
<th>Change in course prerequisites</th>
<th>Change in semesters offered (department head signature only)</th>
<th>Transfer from one department to another</th>
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**PROPOSED:**

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<th>Subject Abbreviation</th>
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<td>Long Title</td>
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<td>Short Title</td>
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**EXISTING:**

**TERMS OFFERED**

Check All That Apply:

- Summer
- Fall
- Spring

**CAMPUS(ES) INVOLVED**

- Calumet
- Cont Ed
- Tech Statewide
- Ft. Wayne
- Indianapolis
- X W. Lafayette

Abbreviated title will be entered by the Office of the Registrar if omitted. (20 CHARACTERS ONLY)

**CREDIT TYPE**

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**COURSE ATTRIBUTES:**

Check All That Apply:

1. Pass/Not Pass Only
2. Satisfactory/Unsatisfactory Only
3. Repeatable
4. Maximum Repeatable Credit:
5. Credit by Examination
6. Registration Approval Type
7. Variable Title
8. Honors
9. Full Time Privilege
10. Off Campus Experience

**COURSE DESCRIPTION (INCLUDE REQUISITES/RESTRICTIONS):**

Pre-requisites: AAE 33400 Minimum Grade of D- (may be taken concurrently) and ME 20000 Minimum Grade D-. AAE 20000 Minimum Grade of S

Basic operating principles and analysis of performance characteristics of jet propulsion systems (air breathing and rocket). Ramjet, turbojet, and turbofan cycle analysis. Analysis of flow through inlets, combustors, nozzles, compressors, turbines. Component matching. Liquid and solid propellant rockets. Not open to students with credit in M E 430.

**COURSE LEARNING OUTCOMES:**

**RECEIVED**

**APR 2 3 2013**

**OFFICE OF THE REGISTRAR**

**Calumet Department Head**

**Calumet School Dean**

**Fort Wayne Department Head**

**Fort Wayne School Dean**

**Indianapolis Department Head**

**Indianapolis School Dean**

**North Central Department Head**

**North Central Dean**

**North Central Commission**

**West Lafayette Department Head**

**West Lafayette College School Dean**

**West Lafayette Registrar**

**OFFICE OF THE REGISTRAR**

**32-13**

**US 03/13**