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APR 24 2013

OFFICE OF THE REGISTRAR

Engineering Faculty Document No. 32-13

January 17, 2013

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**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 4/19/2013

Chairman ECC 

**PURDUE UNIVERSITY**  
REQUEST FOR ADDITION, EXPIRATION,  
OR REVISION OF AN UNDERGRADUATE COURSE  
(10000-40000 LEVEL)

Print Form

DEPARTMENT School of Aeronautics and Astronautics

EFFECTIVE SESSION Spring 2014

(201420)

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

- |   |   |
|---|---|
| <input type="checkbox"/> 1. New course with supporting documents          | <input type="checkbox"/> 7. Change in course attributes (department head signature only)  |
| <input type="checkbox"/> 2. Add existing course offered at another campus | <input type="checkbox"/> 8. Change in instructional hours                                 |
| <input type="checkbox"/> 3. Expiration of a course                        | <input type="checkbox"/> 9. Change in course description                                  |
| <input type="checkbox"/> 4. Change in course number                       | <input checked="" type="checkbox"/> 10. Change in course requisites                       |
| <input type="checkbox"/> 5. Change in course title                        | <input type="checkbox"/> 11. Change in semesters offered (department head signature only) |
| <input type="checkbox"/> 6. Change in course credit/type                  | <input type="checkbox"/> 12. Transfer from one department to another                      |

**PROPOSED:**

**EXISTING:**

**TERMS OFFERED**  
Check All That Apply:

Subject Abbreviation AAE

Subject Abbreviation \_\_\_\_\_

Summer  Fall  Spring

Course Number 37200

Course Number \_\_\_\_\_

**CAMPUS(ES) INVOLVED**

Long Title Jet Propulsion Power Plants

Calumet  N. Central  
 Cont Ed  Tech Statewide  
 Ft. Wayne  W. Lafayette  
 Indianapolis

Short Title \_\_\_\_\_

Abbreviated title will be entered by the Office of the Registrar if omitted. (30 CHARACTERS ONLY)

**CREDIT TYPE**

**COURSE ATTRIBUTES: Check All That Apply**

1. Fixed Credit: Cr. Hrs.
2. Variable Credit Range:  
 Minimum Cr. Hrs.             
 (Check One) To  Or   
 Maximum Cr. Hrs.
3. Equivalent Credit: Yes  No

1. Pass/Not Pass Only
2. Satisfactory/Unsatisfactory Only
3. Repeatable   
 Maximum Repeatable Credit:
4. Credit by Examination
5. Special Fees

6. Registration Approval Type  
 Department  Instructor
7. Variable Title
8. Honors
9. Full Time Privilege
10. Off Campus Experience

Schedule Type	Minutes Per Mtg	Meetings Per Week	Weeks Offered	% of Credit Allocated
Lecture	50	3	16	100
Recitation				
Presentation				
Laboratory				
Lab Prep				
Studio				
Distance				
Clinic				
Experiential				
Research				
Ind. Study				
Pract/Observ				

Cross-Listed Courses

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**APR 23 2013**

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

Pre-requisites: AAE 33400 Minimum Grade of D- (may be taken concurrently) and ME 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 438.

**\*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 _____

*[Signature]* 4/23/13  
 West Lafayette Registrar \_\_\_\_\_ Date \_\_\_\_\_

32-13  
 4/23/13