

7-11

PURDUE UNIVERSITY

Print Form

Office of the Registrar
FORM 40G REV. 10/10

REQUEST FOR ADDITION, EXPIRATION,
OR REVISION OF A GRADUATE COURSE
(50000-60000 LEVEL)

EFD 7-11

DEPARTMENT School of Aeronautics & Astronautics

EFFECTIVE SESSION Fall 2011

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

- 1. New course with supporting documents (complete proposal form)
- 2. Add existing course offered at another campus
- 3. Expiration of a course
- 4. Change in course number
- 5. Change in course title
- 6. Change in course credit/type
- 7. Change in course attributes
- 8. Change in instructional hours
- 9. Change in course description
- 10. Change in course requisites
- 11. Change in semesters offered
- 12. Transfer from one department to another

PROPOSED:

Subject Abbreviation _____

Course Number _____

Long Title Advanced Energy Conversion for Aerospace Systems

Short Title _____

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

EXISTING:

Subject Abbreviation AAE

Course Number 53600

TERMS OFFERED
Check All That Apply:

Fall Spring Summer

CAMPUS(ES) INVOLVED

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

CREDIT TYPE

1. Fixed Credit: Cr. Hrs.
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. 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 Mta	Meetings Per Week	Weeks Offered	% of Credit Allocated
ecture				
itation				
resentation				
Laboratory				
Lab Prep				
Studio				
Distance				
Clinic				
Experiential				
Research				
Ind. Study				
Pract/Observ				

Cross-Listed Courses

2011 JAN 26 AM 10:05
RECEIVED
OFFICE OF THE REGISTRAR

COURSE DESCRIPTION (INCLUDE REQUISITES/RESTRICTIONS):

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 School Dean _____ Date _____
West Lafayette Department Head _____ Date _____	West Lafayette College/School Dean _____ Date _____
Juale Area Committee Convener _____ Date <u>11/15/10</u>	Graduate Dean <u>Philip E. Tape</u> _____ Date <u>1/24/11</u>

Calumet Undergrad Curriculum Committee _____ Date _____

Fort Wayne Chancellor _____ Date 11/30/2010

R. Cipra _____ Date _____
Undergrad Curriculum Committee

Date Approved by Graduate Council _____

Sharon R. Hurrell _____ Date 1/25/11
Graduate Council Secretary

[Signature] _____ Date 1/27/11
West Lafayette Registrar

OFFICE OF THE REGISTRAR

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EFFECTIVE SESSION Fall 2011

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

PROPOSED:

Subject Abbreviation _____

Course Number _____

Long Title _____

Short Title _____

EXISTING:

Subject Abbreviation AAE

Course Number 53600

TERMS OFFERED

Check All That Apply:

Fall Spring Summer

CAMPUS(ES) INVOLVED

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

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Recitation				
Presentation				
Laboratory				
Lab Prep				
Studio				
Distance				
Clinic				
Experiential				
Research				
Ind. Study				
Pract/Observ				

Cross-Listed Courses

COURSE DESCRIPTION (INCLUDE REQUISITES/RESTRICTIONS):

Calumet Department Head _____ Date _____	Calumet School Dean _____ Date _____	Calumet Undergrad Curriculum Committee _____ Date _____
Fort Wayne Department Head _____ Date _____	Fort Wayne School Dean _____ Date _____	Fort Wayne Chancellor _____ Date _____
Indianapolis Department Head _____ Date _____	Indianapolis School Dean _____ Date _____	<i>R. Cipra</i> Undergrad Curriculum Committee _____ Date <i>11/30/2010</i>
North Central Department Head _____ Date _____	North Central School Dean _____ Date _____	Date Approved by Graduate Council _____
West Lafayette Department Head _____ Date _____	West Lafayette College/School Dean _____ Date _____	Graduate Council Secretary _____ Date _____
<i>April</i> Graduate Area Committee Convener _____ Date <i>11/15/10</i>	Graduate Dean _____ Date _____	West Lafayette Registrar _____ Date _____

OFFICE OF THE REGISTRAR

TO: The Faculty of the College of Engineering
FROM: The Faculty of the School of Aeronautics and Astronautics
RE: Deletion of AAE 53600


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

AAE 53600 Advanced Energy Conversion for Aerospace Systems
Sem. 1, Class 3, Cr. 3
Prerequisite: AAE 37200 or AAE 43900 or consent of instructor.

Fundamentals of advanced energy conversion processes, with a strong emphasis on thermodynamics, kinetics, and atomic physics, as applied to aerospace systems. Concepts in physical chemistry, including atomic phenomena, a review of thermodynamics, kinetics, and rate processes, electrochemistry, photochemistry, surface processes and catalysis, and colloidal phenomena, energy storage, thermoelectric and thermionic power generation, fuel cells, direct matter to energy conversion, field power generation, and electric fusion concepts.

Reason:

The course has not been taught for an extended period of time and content is included in currently offered courses. Course has been deleted from the curriculum.



Tom I-P. Shih, Professor and Head
School of Aeronautics & Astronautics

APPROVED FOR THE FACULTY
OF THE SCHOOLS OF ENGINEERING
BY THE ENGINEERING
CURRICULUM COMMITTEE

ECC Minutes: #4
Date: 10/19/10
Chairman ECC: R. Cipra

