

DEPARTMENT Aeronautics & Astronautics

DATE SUBMITTED 10/23/01

DATE EFFECTIVE Spring 2003

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

PURPOSE

- |  |  |
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| <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> 1. Deletion of a course</li> <li><input checked="" type="checkbox"/> 2. New course with supporting documents</li> <li><input type="checkbox"/> 3. Add existing course offered at another campus</li> <li><input type="checkbox"/> 4. Change in course number at same level</li> <li><input type="checkbox"/> 5. Downgrading of course level</li> <li><input type="checkbox"/> 6. Upgrading of course level</li> <li><input type="checkbox"/> 7. Change in course title</li> </ul> | <ul style="list-style-type: none"> <li><input type="checkbox"/> 8. Change in semesters offered</li> <li><input type="checkbox"/> 9. Change in course credit/type</li> <li><input type="checkbox"/> 10. Change in course attributes</li> <li><input type="checkbox"/> 11. Change in instructional hours</li> <li><input type="checkbox"/> 12. Change in prerequisites</li> <li><input type="checkbox"/> 13. Change in description of course content</li> <li><input type="checkbox"/> 14. Transfer of course from one dept. to another</li> </ul> |
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EXISTING:

PROPOSED:

SEMESTERS OFFERED

Subject Abbreviation \_\_\_\_\_ Subject Abbreviation AAE  
Course Number \_\_\_\_\_ Course Number 628

Check All That Apply.

Summer  Fall  Ag Winter  Spring

Proposed Title Future Propulsion Concepts  
Variable Title Yes  No

Abbreviated Title Future Propul. Concept

Abbreviated title will be entered by the Office of the Registrar if omitted. (22 CHARACTERS ONLY)

CROSS LISTED COURSES

CREDIT TYPE

COURSE ATTRIBUTES: Check All That Apply.

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

- 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  
Department \_\_\_\_\_  
Instructor \_\_\_\_\_

Instructional Type	Class Hours	FTE	Instructional Type	Class Hours	FTE	Instructional Type	Class Hours	FTE
Primary	3		Auto-tutorial			Thesis		
Secondary			Ind. Study			Observation		
Laboratory			Clinic			Mats Based		
Lab. Prep.			Experiential					

CAMPUS(ES) INVOLVED

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

COURSE DESCRIPTION (PREREQUISITES INCLUDED): 3

AAE 628 Future Propulsion Concepts, Sem. 2, Class 0, cr. 3. Prerequisite: AAE 372 or ~~AAE 439~~ or ~~AAE 539~~ or consent of instructor.

Principles and applications of advanced chemical and physical propulsion, with a strong emphasis on fundamentals of applied physical chemistry, classical physics, and modern physics. In-situ propellant variants first as applied to momentum transfer devices, and subsequently as applied to field effect devices, with appropriate basis changes. Space-time and alternate constructs enabling virtual faster-than-light travel, and the consequences derived.

Professor Rusek.

Calumet Undergrad Curriculum Committee	Date	Calumet Department Head	Date	Calumet School Dean	Date
Fort Wayne Department Head	Date	Fort Wayne School Dean	Date	Fort Wayne Chancellor	Date
Indianapolis Department Head	Date	Indianapolis School Dean	Date	Appr. for Faculty	#954
				C.D. Sutton, Chair	11/14/01
				Undergrad Curriculum Committee	Date
				APPROVED 2/21/02	
North Central Department Head	Date	North Central Vice Chancellor	Date	Date Approved by Graduate Council	
West Lafayette Department Head	Date	West Lafayette School Dean	Date	Graduate Council Secretary	Date
Graduate Area Committee Convener	Date	Graduate Dean	Date	West Lafayette Registrar	Date