### Proposed Course: Future Propulsion Concepts

**Subject Abbreviation**: AAE  
**Course Number**: 62600  
**Long Title**: Future Propulsion Concepts  
**Short Title**: Future Propulsion Concepts

**Credit Type**

- **Fixed Credit**:  
  - Cr. Hrs:

- **Variable Credit Range**:  
  - Minimum Cr. Hrs:
  - Maximum Cr. Hrs:

- **Equivalent Credit**: Yes

- **Thesis Credit**: Yes

**Course Type**

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

**Course Description (Include Requisites/Restrictions):**

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**Effective Session**: Spring 2011

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**Office of the Registrar**

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**Print Form**
# REQUEST FOR ADDITION, EXPIRATION, OR REVISION OF A GRADUATE COURSE (60000-60000 LEVEL)

**DEPARTMENT**: School of Aeronautics & Astronautics  
**EFFECTIVE SESSION**: Spring 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
- [x] 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**: AAE
- **Course Number**: 62800
- **Long Title**: [Course Title]
- **Short Title**: [Course Title]

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

## 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:

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

## Course Description (Include Requisites/Restrictions):

<table>
<thead>
<tr>
<th>Lecture</th>
<th>Recitation</th>
<th>Presentation</th>
<th>Laboratory</th>
<th>Lab Prep</th>
<th>Studio</th>
<th>Distance</th>
<th>Clinic</th>
<th>Experiential</th>
<th>Research</th>
<th>Ind. Study</th>
<th>Pract/Observ</th>
</tr>
</thead>
</table>

**TERM OFFERED**
- [x] Spring
- [ ] Fall
- [ ] Summer

**CAMPUS(ES) INVOLVED**
- Calumet
- Cont Ed
- Ft. Wayne
- N. Central
- Tech Statewide
- Indianapolis
- W. Lafayette

**Cross-Listed Courses**

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**OFFICE OF THE REGISTRAR**

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**Signatures**
- Calumet Department Head
- Calumet School Dean
- Calumet Undergrad Curriculum Committee
- Fort Wayne Department Head
- Fort Wayne School Dean
- Fort Wayne Chancellor
- Indianapolis Department Head
- Indianapolis School Dean
- Undergrad Curriculum Committee
- North Central Department Head
- North Central School Dean
- North Central College/School Dean
- Date Approved by Graduate Council
- Graduate Council Secretary
- West Lafayette Department Head
- West Lafayette College/School Dean
- West Lafayette Registrar
- Date
TO: The Faculty of the College of Engineering

FROM: The Faculty of the School of Aeronautics and Astronautics

RE: Deletion of AAE 62800

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

AAE 62800 Future Propulsion Concepts
Sem. 2, Class 3, Cr. 3
Prerequisite: AAE 37200 or 43900 or 539000 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.

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