

PURDUE UNIVERSITY  
REQUEST FOR ADDITION, EXPIRATION,  
OR REVISION OF AN UNDERGRADUATE COURSE  
(100-400 LEVEL)

DEPARTMENT Nuclear Engineering EFFECTIVE SESSION Fall 2008

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

- 1. New course with supporting documents
- 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 (department head signature only)
- 8. Change in instructional hours
- 9. Change in course description
- 10. Change in course requisites
- 11. Change in semesters offered (department head signature only)
- 12. Transfer from one department to another

PROPOSED:

EXISTING:

TERMS OFFERED

Check All That Apply:

Subject Abbreviation  Subject Abbreviation NUCL

Summer  Fall  Spring

Course Number  Course Number 449

CAMPUS(ES) INVOLVED

Long Title Senior Design Proposal

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

Short Title Senior Design Proposal

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

CREDIT TYPE

COURSE ATTRIBUTES: Check All That Apply

1. Fixed Credit: Cr. Hrs. 1  
 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. Satisfactory/Unsatisfactory Only   
 3. Repeatable   
 Maximum Repeatable Credit:   
 4. Credit by Examination   
 5. Designator Required   
 6. Special Fees   
 7. Registration Approval Type  
 Department  Instructor   
 8. Variable Title   
 9. Remedial   
 10. Honors   
 11. Full Time Privilege   
 12. Off Campus Experience

Instructional Type	Minutes Per Mtg	Meetings Per Week	Weeks Offered	% of Credit Allocated	Delivery Method (Asyn. Or Syn.)	Delivery Medium (Audio, Internet, Live, Text-Based, Video)
Lecture						
Pr- tation						
L- atory						
Lab Prep						
Studio						
Distance						
Clinic						
Experiential						
Research						
Ind. Study						
Pract/Observ						

Cross-Listed Courses

COURSE DESCRIPTION (INCLUDE REQUISITES):

Prerequisite: NUCL 310  
Co-requisite: NUCL 402

The course outcome is the writing and presentation of a proposal for the senior design project, NUCL450. The tasks include the selection of project design topics (various nuclear engineering components and systems designs), the selection of teams, introduction to design process, team management, communication, and engineering ethics, literature and patents survey, initiation of design activities and familiarization with design tools (for example software).

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 \_\_\_\_\_

*Sandra Schaffer*  
 \_\_\_\_\_  
 West Lafayette Registrar \_\_\_\_\_ Date \_\_\_\_\_



**PURDUE UNIVERSITY**  
REQUEST FOR ADDITION, EXPIRATION,  
OR REVISION OF AN UNDERGRADUATE COURSE  
(100-400 LEVEL)

EFD 30-07

DEPARTMENT Nuclear Engineering EFFECTIVE SESSION Fall 2008

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 checked="" 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:**

Subject Abbreviation

Course Number

Long Title Senior Design Proposal

Short Title Senior Design Proposal

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**EXISTING:**

Subject Abbreviation NUCL

Course Number 449

**TERMS OFFERED**

Check All That Apply:

- Summer  Fall  Spring

**CAMPUS(ES) INVOLVED**

- |                                       |  |
|---------------------------------------|--|
| <input type="checkbox"/> Calumet      | <input type="checkbox"/> N. Central                |
| <input type="checkbox"/> Cont Ed      | <input checked="" type="checkbox"/> Tech Statewide |
| <input type="checkbox"/> Ft. Wayne    | <input checked="" type="checkbox"/> W. Lafayette   |
| <input type="checkbox"/> Indianapolis |  |

**CREDIT TYPE**

1. Fixed Credit: Cr. Hrs. 1
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**

- |  |   |
|--|---|
| <input type="checkbox"/> 1. Pass/Not Pass Only               | <input type="checkbox"/> 7. Registration Approval Type                  |
| <input type="checkbox"/> 2. Satisfactory/Unsatisfactory Only | Department <input type="checkbox"/> Instructor <input type="checkbox"/> |
| <input type="checkbox"/> 3. Repeatable                       | 8. Variable Title <input type="checkbox"/>                              |
| Maximum Repeatable Credit: <input type="text"/>              | 9. Remedial <input type="checkbox"/>                                    |
| <input type="checkbox"/> 4. Credit by Examination            | 10. Honors <input type="checkbox"/>                                     |
| <input type="checkbox"/> 5. Designator Required              | 11. Full Time Privilege <input type="checkbox"/>                        |
| <input type="checkbox"/> 6. Special Fees                     | 12. Off Campus Experience <input type="checkbox"/>                      |

Instructional Type	Minutes Per Mtg	Meetings Per Week	Weeks Offered	% of Credit Allocated	Delivery Method (Asyn. Or Syn.)	Delivery Medium (Audio, Internet, Live, Text-Based, Video)
Lecture						
Recitation						
Presentation						
Laboratory						
Workshop						
Studio						
Distance						
Clinic						
Experiential						
Research						
Ind. Study						
Pract/Observe						

Cross-Listed Courses

**COURSE DESCRIPTION (INCLUDE REQUISITES):**

Prerequisite: NUCL 310  
Co-requisite: NUCL 402

The course outcome is the writing and presentation of a proposal for the senior design project, NUCL450. The tasks include the selection of project design topics (various nuclear engineering components and systems designs), the selection of teams, introduction to design process, team management, communication, and engineering ethics, literature and patents survey, initiation of design activities and familiarization with design tools (for example software).

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 5-2-08 West Lafayette College/School Dean [Signature] 5/2/08 Date \_\_\_\_\_

West Lafayette Registrar \_\_\_\_\_ Date \_\_\_\_\_



To: Faculty of the College of Engineering

From: Faculty of the School of Nuclear Engineering

RE: NUCL 449 Description & Requisites

The faculty of the School of Nuclear Engineering has approved the following change and submits it for your approval.

From:

**NUCL 449 Senior Design Proposal**  
Sem 1, Class 1, cr. 1  
Prerequisites: NUCL 310, NUCL 402

This course consists of the preparation of a proposal for the senior design project (NUCL 450). The tasks include the selection of teams, background literature and patent surveys, identification and familiarization with computational tools, writing a short report and making a presentation.

To:

**NUCL 449 Senior Design Proposal**  
Sem 1, Class 1, cr. 1  
Prerequisite: NUCL 310,  
Co-requisite: NUCL 402

The course outcome is the writing and presentation of a proposal for the senior design project, NUCL450. The tasks include the selection of project design topics (various nuclear engineering components and systems designs), the selection of teams, introduction to design process, team management, communication, and engineering ethics, literature and patents survey, initiation of design activities and familiarization with design tools (for example software).

**Reason:** We are changing the description of the courses to better reflect the scope of the course. In addition we have changed NUCL 402 to be the co-requisite as opposed to the pre-requisite as students take them during the same semester.

Vincent F. Bralts, Interim Head  
School of Nuclear Engineering  
Date: 05/23/2007

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

ECC Minutes #22

Date

4-9-08

Chairman ECC

*Michael Altunk*



To: Faculty of the College of Engineering

From: Faculty of the School of Nuclear Engineering

RE: NUCL 449 Description & Requisites

The faculty of the School of Nuclear Engineering has approved the following change and submits it for your approval.

From:

**NUCL 449 Senior Design Proposal**  
Sem 1, Class 7, cr. 1  
Prerequisites: NUCL 310, NUCL 402

This course consists of the preparation of a proposal for the senior design project (NUCL 450). The tasks include the selection of teams, background literature and patent surveys, identification and familiarization with computational tools, writing a short report and making a presentation.

To:

**NUCL 449 Senior Design Proposal**  
Sem 1, Class 7, cr. 1  
Prerequisite: NUCL 310,  
Co-requisite: NUCL 402

The course outcome is the writing and presentation of a proposal for the senior design project, NUCL450. The tasks include the selection of project design topics (various nuclear engineering components and systems designs), the selection of teams, introduction to design process, team management, communication, and engineering ethics, literature and patents survey, initiation of design activities and familiarization with design tools (for example software).

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Vincent F. Bralts, Interim Head  
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