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<tr>
<th>Instructional Type</th>
<th>Minutes Per Mgt</th>
<th>Meetings Per Week</th>
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<th>Delivery Method (Asyn. Or Syn.)</th>
<th>Delivery Medium (Audio, Internet, Live, Text-Based, Video)</th>
<th>Cross-Listed Courses</th>
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COURSE DESCRIPTION INCLUDES REQUISITES:

- [ ] 1. Pass/Not Pass Only
- [ ] 2. Satisfactory/Unsatisfactory Only
- [ ] 3. Repeatable
- [ ] 4. Credit by Examination
- [ ] 5. Designator Required
- [ ] 6. Special Fees
- [ ] 7. Registration Approval Type
- [ ] 8. Variable Title
- [ ] 9. Remedial
- [ ] 10. Honors
- [ ] 11. Full Time Privilege
- [ ] 12. Off-Campus Experience

Revised: September 5, 2008

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

DEPARTMENT: Nuclear Engineering  EFFECTIVE SESSION: Fall 2008

TRICTIONS: 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:

Subject Abbreviation: 

Course Number: 

Long Title: Nuclear Thermal-Hydraulics I

Short Title: Nuclear Thermal-Hydraulics I

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

EXISTING:

Subject Abbreviation: NUCL

Course Number: 350

TERMS OFFERED:

Check All That Apply:

☐ Summer  ☑ Fall  ☐ Spring

CAMPUS(ES) INVOLVED:

☐ Calumet  ☐ Cont Ed  ☐ Tech Statewide  ☑ W. Lafayette

☐ Indianapolis

CREDIT TYPE

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<td>Maximum Cr. Hrs.</td>
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<td>3. Equivalent Credit:</td>
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<td>4. Thesis Credit:</td>
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COURSE ATTRIBUTES: Check All That Apply

| 1. Pass/Not Pass Only | ☐ |
| 2. Satisfactory/Unsatisfactory Only | ☐ |
| 3. Repeatable | ☐ |
| 4. Credit by Examination | ☐ |
| 5. Designator Required | ☐ |
| 6. Special Fees | ☐ |
| 7. Registration Approval Type | ☐ |
| 8. Variable Title | ☐ |
| 9. Remedial | ☐ |
| 10. Honors | ☐ |
| 11. Full Time Privilege | ☐ |
| 12. Off-Campus/Experience | ☐ |

INSTRUCTIONAL TYPE

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<tr>
<th>Lecture</th>
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COURSE DESCRIPTION CHANGE ONLY

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  West Lafayette Registrar Date

OFFICE OF THE REGISTRAR
To: Faculty of the College of Engineering

From: Faculty of the School of Nuclear Engineering

RE: NUCL 350 Description

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

From:

NUCL 350 Nuclear Thermal-Hydraulics I
Sem 1, Class 3, cr. 3
Prerequisites: ME 200, ME 274

The first of an integrated two-course sequence introducing the concepts of nuclear reactor thermal transport and associated hydraulics with applications to design and safety. Nuclear heat sources and conduction. Macroscopic balances, dimensional analysis, and flow measurement. Fluid behavior, momentum transfer, and applications to reactor systems and design.

To:

NUCL 350 Nuclear Thermal-Hydraulics I
Sem 1, Class 3, cr. 3
Prerequisites: ME 200, ME 274

The first of an integrated two-course sequence introducing the concepts of nuclear reactor thermal transport and associated hydraulics with applications to design and safety. Topics include: macroscopic balances, dimensional analysis, flow measurement, fluid behavior, momentum transfer, and applications to reactor systems and design.

Reason: Nuclear heat sources and conduction are not taught in NUCL 350. They are taught in NUCL 351.

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 1122
Date 4-9-08
Chairman ECC Michael Futowski
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