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

PURPOSE

1. Deletion of a course
2. New course with supporting documents
3. Add existing course offered at another campus
4. Change in course number at same level
5. Downgrading of course level
6. Upgrading of course level
7. Change in course title
8. Change in semesters offered
9. Change in course credit type
10. Change in course attributes
11. Change in instructional hours
12. Change in prerequisites
13. Change in description of course content
14. Transfer of course from one dept. to another

EXISTING:

Subject Abbreviation: draulics
Course Number: 555
Proposed Title: Thermohydraulic Measurement and Instrumentation
Abbreviated Title: Therm Hydr Meas&Instru

PROPOSED:

Subject Abbreviation: NUCL
Course Number: 555
Proposed Title: Thermohydraulic Measurement and Instrumentation
Abbreviated Title: Therm Hydr Meas&Instru

SEMESTERS OFFERED

Check All That Apply.
- Summer
- Fall
- Ag
- Winter
- Spring

CROSS LISTED COURSES

<table>
<thead>
<tr>
<th>Course Type</th>
<th>Class</th>
<th>FTE</th>
<th>Instructional Type</th>
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CREDIT TYPE

1. Fixed Credit: Cr. Hrs. 3
2. Variable Credit Range:
   Minimum Cr. Hrs. (Check One) To Maximum Cr. Hrs.
3. Equivalent Credit: Yes ☐ No ☑ X
4. Thesis Credit: Yes ☐ No ☑ X

COURSE ATTRIBUTES: Check All That Apply.

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
7. Department
8. Instructor

CAMPUSES INVOLVED

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

COURSE DESCRIPTION (PREREQUISITES INCLUDED):

Measurement techniques in fluid flow, heat transfer and multi-phase flow. The principle and practice of measurement of temperature, flow, level, pressure and void fraction (in two-phase flow systems) as applied to nuclear reactor systems. Instrument error and measurement errors, and data acquisition system using PC. Hands-on experience in the laboratory with special instruments (LDA, gamma densitometer, and conductivity probe).

Prerequisite: senior standing or consent of instructor.

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
Appr. for Faculty C.D. Sutton, Chair #943 2/7/01
Indianapolis Department Head Date
Indianapolis School Dean Date
Undergrad Curriculum Committee Date
North Central Department Head Date
North Central Vice Chancellor Date

APPROVED 04/19/01
Date Approved by Graduate Council

Kathleen O. Howell 4/19/01
Graduate Area Committee Convener Date
Graduate Dean Date

West Lafayette Registrar Date