

PURDUE UNIVERSITY
REQUEST FOR ADDITION, DELETION,
OR REVISION OF A COURSE

SCHOOL DOCUMENT NO. 84-00

GRADUATE COUNCIL DOCUMENT NO. 01-6a

DEPARTMENT Nuclear Engineering

DATE SUBMITTED 11/10/2000

DATE EFFECTIVE Spr 2002

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

PURPOSE

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

EXISTING:

PROPOSED:

Subject Abbreviation _____ Subject Abbreviation NUCL
 Course Number _____ Course Number 555
 Proposed Title Thermalhydraulics Measurement and Instrumentation
 Variable Title Yes No

SEMESTERS OFFERED

Check All That Apply.
 Summer Fall Ag Winter Spring

Abbreviated Title Therm Hydr Meas&Instru

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

CROSS LISTED COURSES

CREDIT TYPE

- Fixed Credit: Cr. Hrs. 3
- Variable Credit Range:
 Minimum Cr. Hrs _____
 (Check One) To Or
 Maximum Cr. Hrs. _____
- Equivalent Credit: Yes No
- Thesis Credit: Yes No

COURSE ATTRIBUTES: Check All That Apply.

- Pass/Not Pass Only
 - Repeatable for Credit
 - Available for Credit by Examination
 - Designator Required
 - Special Fees
 - Approval Required for Enrollment
- Department _____
 Instructor _____

Instructional Type	Class Hours	FTE	Instructional Type	Class Hours	FTE	Instructional Type	Class Hours	FTE
Primary	<u>2</u>	_____	Auto-tutorial	_____	_____	Thesis	_____	_____
Secondary	_____	_____	Ind. Study	_____	_____	Observation	_____	_____
Laboratory	<u>2</u>	_____	Clinic	_____	_____	Malls Based	_____	_____
Lab. Prep.	_____	_____	Experiential	_____	_____			

CAMPUS(ES) 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 C.D. Sutton _____ Date _____

Indianapolis Department Head _____ Date _____ Indianapolis School Dean _____ Date _____ Appr. for Faculty C.D. Sutton, Chair #943 _____ Date 2/7/01

North Central Department Head _____ Date _____ North Central Vice Chancellor _____ Date _____ Undergrad Curriculum Committee _____ Date _____

APPROVED 04/19/01

Date Approved by Graduate Council

D. E. Bannister (1-27-01) _____ Date _____ S. J. Wagner _____ Date 2 Feb 01 _____ Date _____ Marilyn D. Hunt _____ Date 5/8/01 _____ Date _____
 Lafayette Department Head _____ Date _____ West Lafayette School Dean _____ Date _____ Graduate Council Secretary _____ Date _____

Nathleen C. Howell _____ Date 4/19/01 _____ Date _____ Debra Shuts _____ Date 5/14/01 _____ Date _____
 Graduate Area Committee Convener _____ Date _____ Graduate Dean _____ Date _____ West Lafayette Registrar _____ Date _____