

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

SCHOOL DOCUMENT NO. 30-04

GRADUATE COUNCIL DOCUMENT NO. 05-37a

DEPARTMENT Nuclear Engineering

DATE SUBMITTED 2/23/05

DATE EFFECTIVE Fall 06

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:

SEMESTERS OFFERED

Subject Abbreviation _____
Course Number _____

Subject Abbreviation NUCL
Course Number 553

Check All That Apply.

Summer Fall Ag Winter Spring

Proposed Title Nano-Macro Scale Applications of Nuclear Technology

Variable Title Yes No

Abbreviated Title Nano-macro Scale Appl

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

CROSS LISTED COURSES

CREDIT TYPE

COURSE ATTRIBUTES: Check All That Apply.

- 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

- 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	CAMPUS(ES) INVOLVED
Primary	<u>3</u>		Auto-tutorial			Thesis			Calumet <input type="checkbox"/>
Secondary			Ind. Study			Observation			Fort Wayne <input type="checkbox"/>
Laboratory			Clinic			Mats Based			Indianapolis <input type="checkbox"/>
Lab. Prep.			Experiential						North Central <input type="checkbox"/>
									West Lafayette <input checked="" type="checkbox"/>
									Off Campus <input type="checkbox"/>

COURSE DESCRIPTION (PREREQUISITES INCLUDED):

Sem.1, Class 3, cr. 3
Prerequisite: Senior/Graduate student standing in science, engineering, or technology, or consent of instructor.
Introduction of ~~introduce~~ the principles of nuclear science and engineering for addressing industrial and scientific issues ranging from sub nano-to-macro scales. Areas to be covered will include: propulsion, high-energy density materials, supercooling, medical applications, sonoluminescence, novel detection systems for special nuclear and contraband materials, and advanced nuclear fusion power systems.

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
Indianapolis Department Head _____ Date	Indianapolis School Dean _____ Date	<i>Robert Montgomery</i> 5/13/05 Undergrad Curriculum Committee _____ Date
North Central Department Head _____ Date	North Central Vice Chancellor _____ Date	APPROVED 10/20/05 Date Approved by Graduate Council _____
<i>L.H. Fout</i> 5/9/05 West Lafayette Department Head _____ Date	<i>Leah H. Jani</i> 5/11/05 West Lafayette School Dean _____ Date	<i>Marilyn D. Hain</i> 11/18/05 Graduate Council Secretary _____ Date
<i>Harswardhan</i> 10/20/05 Graduate Area Committee Convener _____ Date	Graduate Dean _____ Date	<i>Sandra Schaffer</i> 11/22/05 West Lafayette Registrar _____ Date

