FORM 40 REV. 9/06

### **PURDUE UNIVERSITY**

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

RTMENT	luclear Enginee	ring		EFFECTIVE SESSION	Fall 2008			
	lease check the	items below which d	escribe the purpose of this r					
1. 2. 3. 4. 5. 6.	New course Add existing Expiration of Change in the	with supporting do course offered at f a course course number	ocuments		8. Change in 9. Change in 10. Change in 11. Change in	course attributes ( instructional hours course description course requisites semesters offered om one departmet	s n I (department hea	l signature only) nd signature only)
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Subject Abbreviation Course Number				NUCL 450		Summer	Check All That Apply:  Fall  MPUS(FS) INVOLV	✓ Spring
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		ar Engineering	egistrar if omitted. (22 CHARACTER	RS ONLY)		Ft. Wayne Indianapolis	<b>☑</b>	W. Lafayette
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Office of the Registrar FORM 40 REV. 9/06

### **PURDUE UNIVERSITY**

EFD 31-07

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

DEPARTMENT	Nuclea	r Engineer	ing		EEEEOTI	VE SESSION	Fall 2008			
TRUCTIONS:	Please	check the	items below whi	ch describe the purpose of th		VE SESSION [	_:::			
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☐ 2.	Add	existing	course offered	d at another campus		□ 8.	Change in	instructional hou	ıre	i signature omy)
☐ 3.	Exp	iration of	a course	·				course descripti		
4.	Cha	inge in co	ourse number					course requisite		
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To: Faculty of the College of Engineering

From: Faculty of the School of Nuclear Engineering

RE: **NUCL 450 Description** 

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

#### From:

## **NUCL 450 Design in Nuclear Engineering**

Sem 2, Class 3, cr. 3

Prerequisites: NUCL 310, NUCL 402, NUCL 449

Application of the design process to the design of various reactor engineering components and systems. Mathematical modeling in design. Neutronic, economic, fuel, thermal, fluid, materials, and safety problems are considered.

To:

### **NUCL 450 Design in Nuclear Engineering**

Sem 2, Class 3, cr. 3

Prerequisites: NUCL 310, NUCL 402, NUCL 449

Application of the design process to the project design topics identified in NUCL449. The design process usually includes, but is not limited to, mathematical modeling in design, neutronics, thermal-hydraulics and safety studies, risk assessment, economics, policy and regulation, environmental impact.

Reason: We are changing the description of the courses to better reflect the scope of the courses.

> 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

Chairman ECC

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To: Faculty of the College of Engineering

From: Faculty of the School of Nuclear Engineering

RE: NUCL 450 Description

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

### From:

# NUCL 450 Design in Nuclear Engineering

Sem 2, Class 8, cr. 3

Prerequisites: NUCL 310, NUCL 402, NUCL 449

Application of the design process to the design of various reactor engineering components and systems. Mathematical modeling in design. Neutronic, economic, fuel, thermal, fluid, materials, and safety problems are considered.

#### To:

### **NUCL 450 Design in Nuclear Engineering**

Sem 2, Class 8, cr. 3

Prerequisites: NUCL 310, NUCL 402, NUCL 449

Application of the design process to the project design topics identified in NUCL449. The design process usually includes, but not limited to, mathematical modeling in design, neutronic, thermal-hydraulics and safety studies, risk assessment, economics, policy and regulation, environmental impact.

**Reason**: We are changing the description of the courses to better reflect the scope of the courses.

Vincent F. Bralts, Interim Head School of Nuclear Engineering

Date: 05/23/2007

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