Office of the Registrar FORM 40 REV. 9/06

PURDUE UNIVERSITY

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

Nuclear Engineering		EFFECTIVE SESSION Fall 200	8
RUCTIONS: Please check the items below which d	escribe the purpose of this r		
1. New course with supporting do 2. Add existing course offered at 3. Expiration of a course . 4. Change in course number 5. Change in course title 6. Change in course credit/type	ocuments	☐ 7. Chang ☐ 8. Chang ☑ 9. Chang ☐ 10. Chang ☐ 11. Chang	ge in course attributes (department head signature only) ge in instructional hours ge in course description ge in course requisites ge in semesters offered (department head signature only) fer from one department to another
PROPOSED:	_EXISTING:		TERMS OFFERED
Subject Abbreviation	Subject Abbreviation	NUCL	Check All That Apply: Summer Fall Spring
Course Number	Course Number	350	CAMPUS(ES) INVOLVED Calumet N. Central
Long Title Nuclear Thermal-Hydraulics I			☐ Cont Ed ☐ Tech Statewide ☐ Ft. Wayne ☑ W. Lafavette
Short Title Nuclear Thermal-Hydraulics I Abbreviated title will be entered by the Office of the Re	egistrar if omitted. (22 CHARACTER	S ONLY)	Ft. Wayne W. Lafayette Indianapolis
CREDIT TYPE	Signal in Office of 122 of 124 On 124 Of 124	·	
1. Fixed Credit: Cr. Hrs. 3 2. Variable Credit Range: Minimum Cr. Hrs (Check One) To Or Maximum Cr. Hrs 3. Equivalent Credit: Yes No 4 4. Thesis Credit: Yes No	Pass/Not Pass Only Satisfactory/Unsatisfactory of the second of	7. Registra Only	
instructional Type Minutes Meetings Per Per Mtg Week	Weeks % of Credit Offered Allocated	· · · · · · · · · · · · · · · · · · ·	Medium (Audio, e, Text-Based, Video) Cross-Listed Courses
Lecture F 'ation			
Research Ind. Study			
Pract/Observ			
COURSE DESCRIPTION (INCLUDE REQUISITES):			
applications to design and safety. Macrosco	opic balances, dimens	oncepts of nuclear reactor t sional analysis, and flow me E DESCRIPTION CHANGE	hermal transport and associated hydraulics with asurement. Fluid behavior, momentum transfer, EONLY
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	,
June 5-2-08.	North Central Chancellor Mulus Lafayette College/School	Date	West Lafayette Registrar Date

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PURDUE UNIVERSITY Office of the Registrar FORM 40 REV. 9/06 REQUEST FOR ADDITION, EXPIRATION, OR REVISION OF AN UNDERGRADUATE COURSE (100-400 LEVEL) Nuclear Engineering Fall 2008 PEPARTMENT EFFECTIVE SESSION TRUCTIONS: Please check the items below which describe the purpose of this request New course with supporting documents 7. Change in course attributes (department head signature only) 2. Add existing course offered at another campus 8. Change in instructional hours 3. Expiration of a course. 9. Change in course description 4. Change in course number ☐ 10. Change in course requisites Change in course title ☐ 11. Change in semesters offered (department head signature only) Change in course credit/type 12. Transfer from one department to another PROPOSED: EXISTING: TERMS OFFERED Check All That Apply: Subject Abbreviation NUCL Subject Abbreviation П ✓ Fall П Summer Spring 350 Course Number Course Number CAMPUS(ES) INVOLVED Calumet N. Central Nuclear Thermal-Hydraulics I Long Title **Tech Statewide** Cont Ed Ft. Wayne W. Lafayette Nuclear Thermal-Hydraulics I Short Title Indianapolis rviated title will be entered by the Office of the Registrar if omitted. (22 CHARACTERS ONLY) **CREDIT TYPE** COURSE ATTRIBUTES: Check All That Apply 1. Fixed Credit: Cr. Hrs. 1. Pass/Not Pass Only 7. Registration Approval Type 2. Variable Credit Range: 2. Satisfactory/Unsatisfactory Only Department Instructor Minimum Cr. Hrs 3. Repeatable 8. Variable Title то 🗆 or \square (Check One) Maximum Repeatable Credit: 9. Remedial Maximum Cr. Hrs 4. Credit by Examination 10. Honors Yes 🗌 3. Equivalent Credit: No 5. Designator Required 11. Full Time Privilege 4. Thesis Credit: No 6. Special Fees П 12. Off Campus Experience nstructional Type Minutes Meetings Per Weeks % of Credit Delivery Method Delivery Medium (Audio, Per Mtg Week Offered Allocated Cross-Listed Courses (Asyn. Or Syn.) Internet, Live, Text-Based, Video) ecture Recitation entation ratory Lab Prep Studio Distance Clinic Experiential Research Ind. Study Pract/Observ COURSE DESCRIPTION (INCLUDE REQUISITES): 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. Macroscopic balances, dimensional analysis, and flow measurement. Fluid behavior, momentum transfer,

and applications to reactor systems and design. COURSE DESCRIPTION CHANGE ONLY

Culture Department read	Date	Calumet School Dean	Date	
Fort Wayne Department Head	Date	Fort Wayne School Dean		
Indianapolis Department Head	Date	Indianapolis School Dean	Date	
A Lead	Date	North Central Chancellor	Date	

Date

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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 #22

Date 4-9-08

Chairman ECC Nichael oftwise

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