Office of the Registrar FORM 40 REV. 2/99

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

SCHOOL DOCUMENT NO. 99-00

GRADUATE COUNCIL DOCUMENT NO. 01-6c

EPARTMENT Nuclear Engineering	DATE :	SUBMITTED 02-16	-2001 DATE EFFECTIVE F	all 2001
INSTRUCTIONS: Please check the items below which describe the purpose of this request.				
1. Deletion of a course 2. New course with supporting docum 3. Add existing course offered at ano 4. Change in course number at same 5. Downgrading of course level 6. Upgrading of course level 7. Change in course title	ther campus	9. Change in c 10. Change in c 11. Change in ir 12. Change in p 13. Change in d	nstructional hours	
EXISTING:	PROPOSED:		SEMESTERS OFFE	RED
Subject Abbreviation Course Number	Subject Abbreviation NUCL Course Number 575		Check All That Apply. Summer Fall Ag Wir	nter Spring
Proposed Title Neural Computing in Engineer Variable Title Yes \ No	ing .			
Abbreviated Title Neural Computing Engr Abbreviated title will be entered by the Office of the Registrar if omitted. (22 CHARACTERS ONLY)				
CROSS LISTED COURSES CREDIT 1. Fixe 2. Vari	TYPE d Credit: Cr. Hrs. 3 able Credit Range: Minimum Cr. Hrs (Check One) To Or Or Maximum Cr. Hrs.	COURSE A  1. Pass/N  2. Repea  3. Availat  4. Design  5. Specia	TTRIBUTES: Check All That Apply.  Iot Pass Only table for Credit lef or Credit by Examination lator Required I Fees val Required for Enrollment Department Instructor	
Instructional     Class     FTE     Instructional       Type     Hours     Type       Primary     3     Auto-tutorial       Secondary     Ind. Study       Laboratory     Clinic       Lab. Prep.     Experiential	Class FTE Instructional Hours Type Thesis Observation Matts Based	A	CAMPUS(ES) IN Calumet Fort Wayne Indianapolis North Central West Lafayette Off Campus	VOLVED
COURSE DESCRIPTION (PREREQUISITES INCLUDED):Admission by consent of instructor.  Mathematical fundamentals of computing with neural networks. Survey of engineering applications. Computational metaphors from biological neurons.  Artificial neural networks modeling of complex, norf-linear and ill-posed problems. Emphasize engineering utilization of neural computing to diagnostics, control, safety, and decision-making problems.  Professor Tsoukalas.				
Calumet Undergrad Curriculum Committee Date	Calumet Department Head	Date Cal	lumet School Dean	Date
Fort Wayne Department Head Date	Fort Wayne School Dean	App	or, for Faculty	Date #947 4/4/01
Indianapolis Department Head Date	Indianapolis School Dean		dergrad Curriculum Committee	Date
North Central Department Head  Date  Order  North Central Department Head  Date  Order  Date	North Central Vice Chancellor  West Lafayette School Dean	<del></del>	te Approved by Graduate Council   Approved by Graduate Council  Approved by Graduate Council  Approved by Graduate Council Secretary	1/4/02 Date
Graduate Area Committee Convener Date	Graduate Dean	Date We	Deba Shut 3 est Lafayette Registrar	2/11/62 Date