

TO: The Faculty of the College of Engineering

FROM: The Faculty of the School of Industrial Engineering

RE: Change to IE 55900 prerequisite

From: IE 55900 – Cognitive Engineering of Interactive Software

Term Offered: Spring; Lecture 3, Cr. 3

Prerequisites: Graduate Standing or Junior/Senior standing and CS 15600 and IE 33000

Description: (PSY 55500) Theory and applications of software design to improve productivity and job satisfaction on information processing and cognitive tasks in the work place. Human information processing models and cognitive theories will be used to provide a theoretical basis for how to choose and display information to the user. Other topics include user-friendly displays and empirical approaches to software design. Applications of the design theory are stressed by class projects. Typically offered Spring.

To: IE 55900 – Cognitive Engineering of Interactive Software

Term Offered: Spring; Lecture 3, Cr. 3

Prerequisites: Graduate Standing or Junior/Senior standing and CS 15900 and IE 33000

Description: (PSY 55500) Theory and applications of software design to improve productivity and job satisfaction on information processing and cognitive tasks in the work place. Human information processing models and cognitive theories will be used to provide a theoretical basis for how to choose and display information to the user. Other topics include user-friendly displays and empirical approaches to software design. Applications of the design theory are stressed by class projects. Typically offered Spring.

Reason: The current prerequisites for IE 55900 do not reflect the changes in the Computer Science course numbering.

Abhijit Deshmukh 11/14/13

Abhijit Deshmukh
Professor and Head
School of Industrial Engineering

APPROVED FOR THE FACULTY
OF THE SCHOOLS OF ENGINEERING
BY THE ENGINEERING
CURRICULUM COMMITTEE

ECC Minutes 2/4/14

Date 2/4/14

Chairman ECC [Signature]

PURDUE UNIVERSITY
REQUEST FOR ADDITION, EXPIRATION,
OR REVISION OF A GRADUATE COURSE
(50000-60000 LEVEL)

IE 55900

EFD 19-14

DEPARTMENT Industrial Engineering EFFECTIVE SESSION Summer 2014 201430

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

- | | |
|---|--|
| <input type="checkbox"/> 1. New course with supporting documents (complete proposal form) | <input type="checkbox"/> 7. Change in course attributes |
| <input type="checkbox"/> 2. Add existing course offered at another campus | <input type="checkbox"/> 8. Change in instructional hours |
| <input type="checkbox"/> 3. Expiration of a course | <input type="checkbox"/> 9. Change in course description |
| <input type="checkbox"/> 4. Change in course number | <input checked="" type="checkbox"/> 10. Change in course requisites |
| <input type="checkbox"/> 5. Change in course title | <input type="checkbox"/> 11. Change in semesters offered |
| <input type="checkbox"/> 6. Change in course credit/type | <input type="checkbox"/> 12. Transfer from one department to another |

PROPOSED: Subject Abbreviation <input type="text"/> Course Number <input type="text"/> Long Title <input type="text"/> Short Title <input type="text"/>	EXISTING: Subject Abbreviation <u>IE</u> Course Number <u>55900</u>	TERMS OFFERED Check All That Apply: <input type="checkbox"/> Fall <input checked="" type="checkbox"/> Spring <input type="checkbox"/> Summer CAMPUS(ES) INVOLVED <input type="checkbox"/> Calumet <input type="checkbox"/> N. Central <input type="checkbox"/> Cont Ed <input type="checkbox"/> Tech Statewide <input type="checkbox"/> Ft. Wayne <input checked="" type="checkbox"/> W. Lafayette <input type="checkbox"/> Indianapolis
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CREDIT TYPE 1. Fixed Credit: Cr. Hrs. <u>3</u> 2. Variable Credit Range: Minimum Cr. Hrs. <input type="text"/> (Check One) To <input type="checkbox"/> Or <input type="checkbox"/> Maximum Cr. Hrs. <input type="text"/> 3. Equivalent Credit: Yes <input type="checkbox"/> No <input type="checkbox"/> 4. Thesis Credit: Yes <input type="checkbox"/> No <input type="checkbox"/>	COURSE ATTRIBUTES: Check All That Apply 1. Pass/Not Pass Only <input type="checkbox"/> 2. Satisfactory/Unsatisfactory Only <input type="checkbox"/> 3. Repeatable <input type="checkbox"/> Maximum Repeatable Credit: <input type="text"/> 4. Credit by Examination <input type="checkbox"/> 5. Fees <input type="checkbox"/> Coop <input type="checkbox"/> Lab <input type="checkbox"/> Rate Request <input type="checkbox"/> Include comment to explain fee <input type="text"/> 6. Registration Approval Type <input type="checkbox"/> Department <input type="checkbox"/> Instructor <input type="checkbox"/> 7. Variable Title <input type="checkbox"/> 8. Honors <input type="checkbox"/> 9. Full Time Privilege <input type="checkbox"/> 10. Off Campus Experience <input type="checkbox"/>
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Schedule Type	Minutes Per Mtg	Meetings Per Week	Weeks Offered	% of Credit Allocated	Cross-Listed Courses
Lecture	50	3	15	100	PSY 55500
Recitation					
Presentation					
Laboratory					
Lab Prep					
Studio					
Distance					
Clinic					
Experiential					
Research					
Ind. Study					
Pract/Observ					

RECEIVED
FEB 25 2014
OFFICE OF THE REGISTRAR

COURSE DESCRIPTION (INCLUDE REQUISITES/RESTRICTIONS):

Theory and applications of software design to improve productivity and job satisfaction on information processing and cognitive tasks in the work place. Human information processing models and cognitive theories will be used to provide a theoretical basis for how to choose and display information to the user. Other topics include user-friendly displays and empirical approaches to software design. Applications of the design theory are stressed by class projects.

Restrictions: Graduate OR Junior OR Senior classification
Prerequisites: Graduate OR (CS 15900 (minimum grade of D-) AND IE 33000 (minimum grade of D-))

Calumet Department Head	Date	Calumet School Dean	Date	Calumet Director of Graduate Studies	Date
Fort Wayne Department Head	Date	Fort Wayne School Dean	Date	Fort Wayne Director of Graduate Studies	Date
Indianapolis Department Head	Date	Indianapolis School Dean	Date	IUPUI Associate Dean for Graduate Education	Date
North Central Department Head	Date	North Central School Dean	Date	North Central Director of Graduate Studies	Date
<i>Abhi Doshmullh</i> 11/14/13		<i>Michael J. Davis</i> 2/10/14			
West Lafayette Department Head	Date	West Lafayette College/School Dean	Date	Date Approved by Graduate Council	Date
		<i>Phillip E. Pope</i> 2/17/14		<i>Tina L. Payne</i> 2/21/14	
Graduate Area Committee Convener	Date	Graduate Dean	Date	Graduate Council Secretary	Date
				<i>Sandra Schaffer</i> 3/3/14	
				West Lafayette Registrar	Date