

PURDUE UNIVERSITY
REQUEST FOR ADDITION, EXPIRATION,
OR REVISION OF AN UNDERGRADUATE COURSE
(10000-40000 LEVEL)



EFD 18-11

DEPARTMENT School of Electrical and Computer Engineering (EFD 18-11) EFFECTIVE SESSION Spring 2011

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

- | | |
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| <input type="checkbox"/> 1. New course with supporting documents | <input type="checkbox"/> 7. Change in course attributes (department head signature only) |
| <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 type="checkbox"/> 10. Change in course requisites |
| <input type="checkbox"/> 5. Change in course title | <input checked="" type="checkbox"/> 11. Change in semesters offered (department head signature only) |
| <input type="checkbox"/> 6. Change in course credit/type | <input type="checkbox"/> 12. Transfer from one department to another |

PROPOSED: Subject Abbreviation _____ Course Number _____ Long Title <u>Elements of Power System Engineering</u> Short Title <u>Elements of Power System Engr</u>	EXISTING: Subject Abbreviation <u>ECE</u> Course Number <u>43200</u>	TERMS OFFERED Check All That Apply: <input type="checkbox"/> Summer <input checked="" type="checkbox"/> Fall <input type="checkbox"/> Spring
Abbreviated title will be entered by the Office of the Registrar if omitted. (30 CHARACTERS ONLY)		CAMPUS(ES) INVOLVED <input type="checkbox"/> Calumet <input type="checkbox"/> Cont Ed <input type="checkbox"/> Ft. Wayne <input type="checkbox"/> Indianapolis <input type="checkbox"/> N. Central <input type="checkbox"/> Tech Statewide <input checked="" type="checkbox"/> W. Lafayette

CREDIT TYPE 1. Fixed Credit: Cr. Hrs. _____ 2. Variable Credit Range: Minimum Cr. Hrs. _____ (Check One) To <input type="checkbox"/> Or <input type="checkbox"/> Maximum Cr. Hrs. _____ 3. Equivalent 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: _____ 4. Credit by Examination <input type="checkbox"/> 5. Special Fees <input type="checkbox"/> 6. Registration Approval Type 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	_____	_____	_____	_____	
Recitation	_____	_____	_____	_____	
Presentation	_____	_____	_____	_____	
Laboratory	_____	_____	_____	_____	
Lab Prep	_____	_____	_____	_____	
Studio	_____	_____	_____	_____	
Distance	_____	_____	_____	_____	
Clinic	_____	_____	_____	_____	
Experiential	_____	_____	_____	_____	
Research	_____	_____	_____	_____	
Ind. Study	_____	_____	_____	_____	
Pract/Observ	_____	_____	_____	_____	

COURSE DESCRIPTION (INCLUDE REQUISITES/RESTRICTIONS):

*COURSE LEARNING OUTCOMES:
See attachment.

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 _____
North Central Department Head _____ Date _____	North Central Chancellor _____ Date _____
West Lafayette Department Head _____ Date _____	West Lafayette College/School Dean _____ Date _____
	West Lafayette Registrar _____ Date _____

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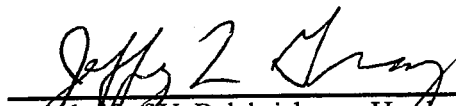
TO: The Faculty of the College of Engineering
FROM: The Faculty of the School of Electrical and Computer Engineering
RE: Change to Existing Undergraduate Course: ECE 43200, Elements of Power System Engineering, change in offering schedule.

The faculty of the School of Electrical and Computer Engineering has approved the following changes to an existing course. This action is now submitted to the Engineering Faculty with a recommendation for approval.

From: ECE 43200 Elements of Power System Engineering
Sem. Spring; Cr. 3; Lecture 3.
Prerequisites: ECE 32100 or senior standing.
Restrictions: Must be enrolled in one of the following: School of Electrical & Computer Engineering
Description: Fundamental concepts of power system analysis, transmission line parameters, basic system models, steady state performance, network calculations, power flow solutions, fault studies, symmetrical components, operating strategies and control.

To: ECE 43200 Elements of Power System Engineering
Sem. Fall; Cr. 3; Lecture 3.
Prerequisites: ECE 32100 or senior standing.
Restrictions: Must be enrolled in one of the following: School of Electrical & Computer Engineering
Description: Fundamental concepts of power system analysis, transmission line parameters, basic system models, steady state performance, network calculations, power flow solutions, fault studies, symmetrical components, operating strategies and control.

Reason: To have the published offering schedule match the actual offering schedule.



on behalf of V. Balakrishnan, Head
School of Electrical and Computer Engineering

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

ECC Minutes #4

Date 10/19/10

Chairman ECC R. Ciper

School of Electrical and Computer Engineering (EFD 18-11)

Course Learning Outcomes:

- i. an understanding of the function of the main components in a power system, and the basis of their circuit models.
- ii. an ability to build a system representation from components' circuit models and to apply solution techniques to certain operational needs.