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

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.

- New course with supporting documents
- Add existing course offered at another campus
- Expiration of a course
- Change in course number
- Change in course title
- Change in course credit/type
- Change in course attributes (department head signature only)
- Change in instructional hours
- Change in course description
- Change in course prerequisites
- Change in semesters offered (department head signature only)
- Transfer from one department to another

PROPOSED:

<table>
<thead>
<tr>
<th>Subject Abbreviation</th>
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<th>Course Number</th>
<th>Course Number</th>
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<tbody>
<tr>
<td>Elements of Power System Engineering</td>
<td>ECE</td>
<td>43200</td>
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Long Title: Elements of Power System Engineering
Short Title: Elements of Power System Engr

Abbreviated title will be entered by the Office of the Registrar if omitted. (30 CHARACTERS ONLY)

COURSE ATTRIBUTES: Check All That Apply

- Pass/Not Pass Only
- Satisfactory/Unsatisfactory Only
- Repeatable
- Maximum Repeatable Credit:
- Credit by Examination
- Special Fees
- Registration Approval Type
- Instructor
- Variable Title
- Honors
- Full Time Privilege
- Off Campus Experience

Schedule Type: Lecture
Meeting Type: Recitation
Teaching Method: 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

OFFICE OF THE REGISTRAR
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.

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

ECC Minutes [Signature]
Date 10/19/10
Chairman ECC [Signature]
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.