

**PURDUE UNIVERSITY**  
**REQUEST FOR ADDITION, EXPIRATION,**  
**OR REVISION OF A GRADUATE COURSE**  
**(500-600 LEVEL)**

DEPARTMENT ECE EFFECTIVE SESSION Summer 2008

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 checked="" 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 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 |

<b>PROPOSED:</b>	<b>EXISTING:</b>
Subject Abbreviation <input type="text"/>	Subject Abbreviation <u>ECE</u>
Course Number <input type="text"/>	Course Number <u>551</u>
Long Title <u>APPLIED MAGNETICS</u>	
Short Title <u>APPLIED MAGNETICS</u>	

Abbreviated title will be entered by the Office of the Registrar if omitted. (22 CHARACTERS ONLY)

**TERMS OFFERED**  
Check All That Apply:

Summer     Fall     Spring

**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	

**CREDIT TYPE**

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. Thesis Credit: Yes  No

**COURSE ATTRIBUTES: Check All That Apply**

1. Pass/Not Pass Only <input type="checkbox"/>	7. Registration Approval Type <input type="checkbox"/>
2. Satisfactory/Unsatisfactory Only <input type="checkbox"/>	Department <input type="checkbox"/> Instructor <input type="checkbox"/>
3. Repeatable <input type="checkbox"/>	8. Variable Title <input type="checkbox"/>
Maximum Repeatable Credit: <input type="text"/>	9. Remedial <input type="checkbox"/>
4. Credit by Examination <input type="checkbox"/>	10. Honors <input type="checkbox"/>
5. Designator Required <input type="checkbox"/>	11. Full Time Privilege <input type="checkbox"/>
6. Special Fees <input type="checkbox"/>	12. Off Campus Experience <input type="checkbox"/>

Instructional Type	Minutes Per Mtg	Meetings Per Week	Weeks Offered	% of Credit Allocated	Delivery Method (Asyn. Or Syn.)	Delivery Medium (Audio, Internet, Live, Text-Based, Video)
Lecture						
Recitation						
Presentation						
Laboratory						
Lab Prep						
Studio						
Distance						
Clinic						
Experiential						
Research						
Ind. Study						
Pract/Observ						

**Cross-Listed Courses**


COURSE DESCRIPTION (INCLUDE REQUISITES):

Calumet Department Head _____ Date _____	Calumet School Dean _____ Date _____	Calumet Undergrad Curriculum Committee _____ Date _____
Fort Wayne Department Head _____ Date _____	Fort Wayne School Dean _____ Date _____	Fort Wayne Chancellor _____ Date _____
Indianapolis Department Head _____ Date _____	Indianapolis School Dean _____ Date _____	<i>Michael J. Jankowski</i> 5/17/08 Undergrad Curriculum Committee _____ Date _____
North Central Department Head _____ Date _____	North Central Chancellor _____ Date _____	Date Approved by Graduate Council _____
<i>Andrew R. M...</i> 5/21/08 West Lafayette Department Head _____ Date _____	<i>William J. ...</i> 5/27/08 West Lafayette College/School Dean _____ Date _____	Graduate Council Secretary _____ Date _____
Graduate Area Committee Convener _____ Date _____	Graduate Dean _____ Date _____	West Lafayette Registrar _____ Date _____



**TO:** The Faculty of the College of Engineering  
**FROM:** The Faculty of the School of Electrical and Computer Engineering  
**RE:** Deletion of ECE 551.

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

**ECE 551**

**Applied Magnetism**

Sem.1. Class 3, cr. 3. (Offered in alternate years.)

Prerequisite: ECE 311. Authorized equivalent courses or consent of instructor may be used in satisfying course pre- and co-requisites.

The elements of magnetism are reviewed and applied to a variety of technologically important devices. Traditional applications covered include: permanent magnets, transformers, and saturable reactors. Time is spent on the elements of magnetic information technology, mostly digital and analog recording; and also on other memory technologies, such as magnetic bubbles and magneto-optic recording. A discussion of high frequency magnetic devices is included.

**Reason:** Course has not been taught for an extended period of time. Course has been deleted from the curriculum.

Mark J. T. Smith, Head  
School of Electrical & Computer Engineering

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

ECC Minutes 1/15

Date 2-6-08

Chairman ECC Michael Joltowski

