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:

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

PROPOSED:

Subject Abbreviation:
Course Number: 551
Long Title: APPLIED MAGNETICS
Short Title: APPLIED MAGNETICS

EXISTING:

Subject Abbreviation: ECE
Course Number:

TERMS OFFERED

Check All That Apply:

- Summer
- Fall
- Spring

CAMPUS(ES) INVOLVED

- Calumet
- Cont Ed
- Ft. Wayne
- Indianapolis
- N. Central
- Tech Statewide
- W. Lafayette

COURSE ATTRIBUTES:

- Pass/Not Pass Only
- Satisfactory/Unsatisfactory Only
- Maximum Repeatable Credit:
- Department
- Instructor

COURSE DESCRIPTION (INCLUDE REQUISITES):

OFFICE OF THE REGISTRAR
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 Magnetics
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 magnetics 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 11/15
Date 2-6-08
Chairman ECC Michael J. Halinski