DEPARTMENT: School of Electrical and Computer Engineering

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

PURPOSE

1. Deletion of a course
2. New course with supporting documents
3. Add existing course offered at another campus
4. Change in course number at same level
5. Downgrading of course level
6. Upgrading of course level
7. Change in course title
8. Change in semesters offered
9. Change in course credit/type
10. Change in course attributes
11. Change in instructional hours
12. Change in prerequisites
13. Change in description of course content
14. Transfer of course from one dept. to another

EXISTING:

Subject Abbreviation: EE
Course Number: 456
Proposed Title: Digital Integrated Circuit Analysis and Design
Proposed Title Variable Title: Yes
Abbreviated Title: Digital Int. Circ. Analysis and Design

PROPOSED:

Subject Abbreviation: Course Number
Provisional Title: Digital Integrated Circuit Analysis and Design
Provisional Title Variable Title: No
Abbreviated Title: D.I.C.

CROSS LISTED COURSES

CREDIT TYPE
1. Fixed Credit: Cr. Hrs., 3
2. Variable Credit Range:
   Minimum Cr. Hrs. (Check One) To
   Maximum Cr. Hrs. Or
3. Equivalent Credit: Yes
4. Thesis Credit: Yes

COURSE ATTRIBUTES:
1. Pass/Not Pass Only
2. Repeatable for Credit
3. Available for Credit by Examination
4. Designator Required
5. Special Fees
6. Approval Required for Enrollment

SEMESTERS OFFERED

Summer Fall Ag Winter Spring

In-depth study of MOS transistor as applied to digital integrated circuits, from fabrication to electrical characteristics. Combinational, sequential, and dynamic logic circuits. Focus on CMOS technology, bipolar, nMOS, and BiCMOS circuits introduced. SPICE analysis and design tool. Semiconductor memory circuits.

Calumet Undergrad Curriculum Committee Date
Calumet Department Head Date
Calumet School Dean Date

Fort Wayne Department Head Date
Fort Wayne School Dean Date
Fort Wayne Chancellor Apr. for Faculty

Indianapolis Department Head Date
Indianapolis School Dean Date
Undergrad Curriculum Committee 3/1/02

North Central Department Head Date
North Central Vice Chancellor Date
Date Approved by Graduate Council

West Lafayette Department Head Date
West Lafayette School Dean Date
Graduate Council Secretary Date

Graduate Area Committee Convener Date
Graduate Dean Date
West Lafayette Registrar Date

OFFICE OF THE REGISTRAR