

DEPARTMENT Electrical & Computer Engineering

DATE SUBMITTED 11/5/2001

DATE EFFECTIVE 1/7/2002

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

PURPOSE

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

EXISTING:

PROPOSED:

Subject Abbreviation ~~EE~~ ECE
Course Number 648

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Course Number 648

SEMESTERS OFFERED
Offered in alternate years.

Check All That Apply.

Summer Fall Ag Winter Spring

Proposed Title Wavelet, Time-Frequency, and Multirate Signal Processing

Variable Title Yes No

Abbreviated Title _____

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

CROSS LISTED COURSES

CREDIT TYPE

- Fixed Credit: Cr. Hrs. 3
- Variable Credit Range:
Minimum Cr. Hrs. _____
(Check One) To Or
Maximum Cr. Hrs. _____
- Equivalent Credit: Yes No
- Thesis Credit: Yes No

COURSE ATTRIBUTES: Check All That Apply.

- Pass/Not Pass Only
- Repeatable for Credit
- Available for Credit by Examination
- Designator Required
- Special Fees
- Approval Required for Enrollment

Department _____
Instructor _____

Instructional Type
Primary
Secondary
Laboratory
Lab. Prep.

Class Hours
3

FTE

Instructional Type
Auto-tutorial
Ind. Study
Clinic
Experiential

Class Hours

FTE

Instructional Type
Thesis
Observation
Matls Based

Class Hours

FTE

CAMPUS(ES) INVOLVED

Calumet
Fort Wayne
Indianapolis
North Central
West Lafayette
Off Campus

COURSE DESCRIPTION (PREREQUISITES INCLUDED):

Prerequisite: EE 538 or consent of instructor

Advanced topics in signal processing, including time-frequency analysis, multiscale edge detection, wavelet bases and filter banks, and techniques for approximation, estimation, and compression using wavelets.

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 _____ Date _____

E. D. Sutton
Apr. for Faculty #961
C.D. Sutton, Chair 3/22/02

Indianapolis Department Head _____ Date _____ Indianapolis School Dean _____ Date _____ Undergrad Curriculum Committee _____ Date _____

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

W. K. ... 4/9/02
West Lafayette Department Head _____ Date _____ *Liz ... 8 Apr 02*
West Lafayette School Dean _____ Date _____ *Marilyn D. ... 6/12/02*
Graduate Council Secretary _____ Date _____

Phillip E. Pope 4/10/02
Graduate Area Committee Convener _____ Date _____ *Debra Shuts 6/19/02*
Graduate Dean _____ Date _____ West Lafayette Registrar _____ Date _____

