PURDUE UNIVERSITY
REQUEST FOR ADDITION, DELETION, OR REVISION OF A COURSE

DEPARTMENT: School of Electrical and Computer Engineering

DATE SUBMITTED: 12/7/2001
DATE EFFECTIVE: Spring 2003

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

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<th>PURPOSE</th>
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<td>1. Deletion of a course</td>
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<td>2. New course with supporting documents</td>
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<td>3. Add existing course offered at another campus</td>
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<td>4. Change in course number at same level</td>
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<td>5. Downgrading of course level</td>
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<td>6. Upgrading of course level</td>
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<td>7. Change in course title</td>
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<td>14. Transfer of course from one dept. to another</td>
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EXISTING:

Subject Abbreviation: EE
Course Number: 637
Proposed Title: Digital Image Processing I
Variable Title: Yes [ ] No [X]
Abbreviated Title: [ ]

PROPOSED:

Subject Abbreviation: 
Course Number: 
Proposed Title: 
Variable Title: [ ] Yes [X] No
Abbreviated Title: [ ]

SEMESTERS OFFERED

Check All That Apply:
Summer [ ] Fall [ ] Ag [ ] Winter [X]

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 [ ] No [X]
4. Thesis Credit: Yes [ ] No [ ]

COURSE ATTRIBUTES: Check All That Apply.
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

CAMPUS(ES) INVOLVED

Calumet [ ]
Fort Wayne [ ]
Indianapolis [ ]
North Central [ ]
West Lafayette [X]
Off Campus [ ]

COURSE DESCRIPTION (PREREQUISITES INCLUDED):

Introduction to digital image processing techniques for enhancement, compression, restoration, reconstruction, and analysis. Lecture and experiments covering a wide range of topics: 2-D signals and systems, image analysis, and image segmentation. Achromatic vision, color image processing, color imaging systems, image sharpening, interpolation, decimation, linear and nonlinear filtering, printing and display of images. Image compression, image restoration, and tomography.

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

Fort Wayne Department Head Date
Fort Wayne School Dean Date
Appro. for Faculty / C.D. Sutton, Chair #958 2/1/02

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

North Central Department Head Date
North Central Vice Chancellor Date

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

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