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

DEPARTMENT: Electrical & Computer Engineering
DATE SUBMITTED: 1/19/2001
DATE EFFECTIVE: Spring 2001

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: 634

PROPOSED:

Subject Abbreviation: ECE
Course Number: 634

SEMESTERS OFFERED

* Spring of Odd Years
Check All That Apply.

Summer
Fall
Ag
Winter
Spring

EXPERTLED COURSES:

CROSS LISTED COURSES:

1. Fixed Credit: Cr. Hrs. 3
2. Variable Credit Range:
   Minimum Cr. Hrs
   (Check One) To
   Maximum Cr. Hrs
3. Equivalent Credit: Yes ☒ No
4. Thesis Credit: Yes ☒ No

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

CAMPUS(ES) INVOLVED:

Calumet
Fort Wayne
Indianapolis
North Central
West Lafayette
Off Campus

COURSE DESCRIPTION (PREREQUISITES INCLUDED):

Pre-or co-requisite: EE 600. (Offered in alternate years.)
Digital video systems. Characteristics of basic analog video systems, including bandwidth constraints, color encoding, and composite signal formation. Digital video concepts with emphasis on processing of time-varying images. Topics include filtering, enhancement, restoration, and motion estimation and prediction. Digital video compression techniques, including intraframe coding approaches, with particular emphasis on JPEG, MPEG-1, and MPEG-2 video compression standards. Low bit rate approaches, including H.261, H.263, and MPEG-4. Applications include video servers, transmission systems, high-definition television, multimedia systems, and videoconferencing systems. Professor Delp.

Calumet Undergrad Curriculum Committee
Calumet Department Head
Calumet School Dean

Fort Wayne Department Head
Fort Wayne School Dean
Fort Wayne Chancellor

Indianapolis Department Head
Indianapolis School Dean
Appr. for Faculty
Undergrad Curriculum Committee

North Central Department Head
North Central Vice Chancellor

West Lafayette Department Head
West Lafayette School Dean
Graduate Council Secretary

Graduate Area Committee Convener
Graduate Dean
West Lafayette Registrar

APPROVED 11/15/01

OFFICE OF THE REGISTRAR