Office of the Registrar FORM 40 REV. 2/99

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

SCHOOL DOCUMENT NO. EFD 8-00

GRADUATE COUNCIL DOCUMENT NO. 01-23c

DEPARTMENT Electrical & Computer Engineering DATE SUBMITTED 1/19/2001 DATE EFFECTIVE 8/20/2001

Spring 200							
INSTRUCTIONS: Please check the items below which describe the purpose of this request. PURPOSE							
1. Deletion of a course 2. New course with supporting docum 3. Add existing course offered at anot 4. Change in course number at same 5. Downgrading of course level 6. Upgrading of course level 7. Change in course title	Change in semesters of Change in course credition. Change in course attribution. Change in instructional Change in prerequisites. Change in description of Transfer of course from	t/type utes hours s f course content					
EXISTING:	PROPOSED:	- * S	SEMESTERS OFFERED pring of Odd Years				
***************************************	Subject Abbreviation EE CCC Check All That Apply. Course Number 634 Summer Fall Ag Winter Spring						
Proposed Title Variable Title Vers No V							
Abbreviated Title Digital Video Systems Abbreviated title will be entered by the Office of the Registrar if omitted. (22 CHARACTERS ONLY)							
2. Vari	TYPE ad Credit: Cr. Hrs. 3 able Credit Range: Minimum Cr. Hrs (Check One) To Maximum Cr. Hrs. ivalent Credit: Yes No Yes No		edit lit by Examination red				
Instructional Class FTE Instructional Type Hours Type Auto-tutorial Ind. Study Clinic Experiential	Class FTE Instructional Hours Type Thesis Observation Matls Based	Class FTE Hours Volume of the Control of the Contr	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. MPEG1 and MPEG2 video compression standards. Low bit rate approaches including H.261, H.263, and MPEG4. Applications include video servers, transmission systems, high definition television, multimedia systems, and videoconferencing systems. Professor Delp.							
Calumet Undergrad Curriculum Committee Date	Calumet Department Head	Date Calumet Schoo	Dean Date				
Fort Wayne Department Head Date	Fort Wayne School Dean	Date Fort Wayne Character Factor Factor,	culty #949				
Indianapolis Department Head Date	Indianapolis School Dean	Date Undergrad Curr	iculum Committee Date				
North Central Department Head Date	North Central Vice Chancelor	Date Date Approved	0 11/15/01 by Graduate Council				
/est Lafayette Department Head Date	West Lafayette School Dean	Suffe Marile Pate Graduate Con	cil Secretary Date				
Graduate Area Committee Convener Date	Graduate Dean	Date Debug	Registrar Date				