PURDUE UNIVERSITY REQUEST FOR ADDITION, EXPIRATION, OR REVISION OF AN UNDERGRADUATE COURSE (10000-40000 LEVEL)

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	ECE		EFFECTIVE SESSION	201740	
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, and a station	LOL	Subject Abbreviation	ECE		TERMS OFFERED
Course Number					Check All That Apply:
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Short Title				Cont Ed	
				Ft. Wayn	w. Lafayette
Abbrevia	ed title will be entered by the Offi	ice of the Registrar if omitted. (30 CHARACTE	ERS ONLY)	Indianap	olis
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Variable Credit Range	:	2. Satisfactory/Unsatisfactory		egistration Approval Type	•
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To:

The Faculty of the College of Engineering

From:

The Faculty of the School of Electrical and Computer Engineering

RE:

Changes to an existing course: ECE 41400 change in number, term offered

and requisites.

The faculty of the School of Electrical and Computer Engineering has approved the following changes. This action is now submitted to the Engineering Faculty with a recommendation for approval.

FROM:

ECE 41400 Elements of Electro and Fiber Optics

Sem. 2. Lecture 3, Credit 3

Restriction: Student must be enrolled in School of Electrical and Computer

Engineering.

Requisites: Undergraduate level ECE 30100 Minimum Grade of D- and Undergraduate level ECE 31100 Minimum Grade of D-

Introduction to the use of lasers, fiber and integrated optical components and devices in communication and sensory applications. Topics include generation, transformation, modulation, deflection and detection of laser beams and their applications in fiber communication and sensory systems.

TO:

ECE 30414 Elements of Electro and Fiber Optics

Sem. 1. Lecture 3, Credit 3

Restriction: Student must be enrolled in School of Electrical and Computer Engineering.

Requisites: Undergraduate level ECE 30100 Minimum Grade of D- and Undergraduate level ECE 30411 Minimum Grade of D- (may be taken concurrently)

Introduction to the use of lasers, fiber and integrated optical components and devices in communication and sensory applications. Topics include generation, transformation, modulation, deflection and detection of laser beams and their applications in fiber communication and sensory systems.

> Approved for the faculty of the Schools of Engineering by the Engineering Curriculum Committee

ECC Minutes Chairman ECC

REASON:

The change is intended to improve the progression of courses from the 20000 level to 30000 and 40000 level courses, for students who wish to focus their studies in the optics area and reflect similar changes, previously submitted to the Engineering Curriculum Committee, in ECE 30412 and ECE 30413. The requisites are changing to allow students to concurrently take ECE 31100, which is proposed to become ECE 30411. This course was previously offered only in spring semester and now will be offered only in fall semester. No other changes will be made.

For W. Kagu Balakrishnan, Head

School of Electrical and Computer Engineering

ECE 5-Digit Course Numbering

First Digit: Level

- 6 Graduate only courses
- 5 Dual level
- 4 Senior Level
- 3 Junior Level
- 2 Sophomore Level
- 1 First Year Level

2nd and 3rd Digits: ECE Area

- 00 CNSIP
- 02 Automatic Control
- 04 Fields and Optics
- 06 Microelectronics and Nanotechnology
- 08 Computer Engineering
- 10 Power and Energy Systems
- 12 VLSI
- 14 BIS

4th and 5th Digits:

Mostly arbitrary – keep in prereq order if possible within ECE area. When updating, use same last two digits, i.e. ECE 30500 \rightarrow ECE 30605, etc.

Special Cases:

X9595 for all experimental courses.

X99XX for all seminar or similar courses

XXX99 for all professional practice courses

490XX for all Sr. Design courses