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

Print Form

EFD 33-10

EPARTMENT School of Electrical and Computer Engineering (EFD 33-10)   EFFECTIVE SESSION Fall 2010

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

☐	1.	New course with supporting documents
☐	2.	Add existing course offered at another campus
☐	3.	Expiration of a course
☐	4.	Change in course number
☐	5.	Change in course title
☐	6.	Change in course credit/type

☐	7.	Change in course attributes (department head signature only)
☐	8.	Change in instructional hours
☐	9.	Change in course description
☒	10.	Change in course requisites
☐	11.	Change in semesters offered (department head signature only)
☐	12.	Transfer from one department to another

PROPOSED:

Subject Abbreviation _____

Course Number _____

Long Title Microprocessor Systems and Interfacing

Short Title Micro Systems and Interfacing

Abbreviated title will be entered by the Office of the Registrar if omitted. (30 CHARACTERS ONLY)

EXISTING:

Subject Abbreviation ECE

Course Number 36200

TERMS OFFERED
Check All That Apply:

☐ Summer   ☐ Fall   ☐ Spring

CAMPUS(ES) INVOLVED

☐ Calumet   ☐ N. Central
☐ Cont Ed   ☐ Tech Statewide
☐ Ft. Wayne   ☒ W. Lafayette
☐ Indianapolis

CREDIT TYPE

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

COURSE ATTRIBUTES: Check All That Apply

1. Pass/Not Pass Only	☐	6. Registration Approval Type
2. Satisfactory/Unsatisfactory Only	☐	Department ☐ Instructor ☐
3. Repeatable	☐	7. Variable Title ☐
Maximum Repeatable Credit:	☐	8. Honors ☐
4. Credit by Examination	☐	9. Full Time Privilege ☐
5. Special Fees	☐	10. Off Campus Experience ☐

ScheduleType	Minutes Per Mtg	Meetings Per Week	Weeks Offered	% of Credit Allocated
Lecture				
Recitation				
Presentation				
Laboratory				
Lab Prep				
Studio				
Distance				
Clinic				
Experiential				
Research				
Ind. Study				
Pract/Observ				

Cross-Listed Courses
_____
_____
_____
_____
_____
_____

COURSE DESCRIPTION (INCLUDE REQUISITES/RESTRICTIONS):

Prerequisites: ECE 27000 Minimum Grade of C and (Undergraduate level CS 15900 or ENGR 11700) and ECE 25500 [may be taken concurrently]

*COURSE LEARNING OUTCOMES:

See attachment.

	Date		Date
Calumet Department Head		Calumet School Dean	
Fort Wayne Department Head		Fort Wayne School Dean	
Indianapolis Department Head		Indianapolis School Dean	
North Central Department Head		North Central Chancellor	
West Lafayette Department Head 3/31/10		West Lafayette College/School Dean 5/24/2010	West Lafayette Registrar 7/29/10

OFFICE OF THE REGISTRAR

PURDUE UNIVERSITY
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(10000-40000 LEVEL)

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EFD 33-10

DEPARTMENT School of Electrical and Computer Engineering (EFD 33-10)   EFFECTIVE SESSION Fall 2010

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

☐	1.	New course with supporting documents
☐	2.	Add existing course offered at another campus
☐	3.	Expiration of a course
☐	4.	Change in course number
☐	5.	Change in course title
☐	6.	Change in course credit/type

☐	7.	Change in course attributes (department head signature only)
☐	8.	Change in instructional hours
☐	9.	Change in course description
☒	10.	Change in course requisites
☐	11.	Change in semesters offered (department head signature only)
☐	12.	Transfer from one department to another

PROPOSED:

Subject Abbreviation _____

Course Number _____

Long Title Microprocessor Systems and Interfacing

Short Title Micro Systems and Interfacing

EXISTING:

Subject Abbreviation ECE

Course Number 36200

Abbreviated title will be entered by the Office of the Registrar if omitted. (30 CHARACTERS ONLY)

TERMS OFFERED
Check All That Apply:
☐ Summer ☐ Fall ☐ Spring

CAMPUS(ES) INVOLVED
☐ Calumet   ☐ N. Central
☐ Cont Ed   ☐ Tech Statewide
☐ Ft. Wayne   ☒ W. Lafayette
☐ Indianapolis

CREDIT TYPE

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

1. Pass/Not Pass Only ☐
2. Satisfactory/Unsatisfactory Only ☐
3. Repeatable ☐
   Maximum Repeatable Credit ☐
4. Credit by Examination ☐
5. Special Fees ☐

COURSE ATTRIBUTES: Check All That Apply

6. Registration Approval Type
   Department ☐ Instructor ☐
7. Variable Title ☐
8. Honors ☐
9. Full Time Privilege ☐
10. Off Campus Experience ☐

ScheduleType	Minutes Per Mtg	Meetings Per Week	Weeks Offered	% of Credit Allocated
Lecture	_____	_____	_____	_____
Recitation	_____	_____	_____	_____
sentation	_____	_____	_____	_____
boratory	_____	_____	_____	_____
Lab Prep	_____	_____	_____	_____
Studio	_____	_____	_____	_____
Distance	_____	_____	_____	_____
Clinic	_____	_____	_____	_____
Experiential	_____	_____	_____	_____
Research	_____	_____	_____	_____
Ind. Study	_____	_____	_____	_____
Pract/Observ	_____	_____	_____	_____

Cross-Listed Courses
_____
_____
_____
_____
_____
_____

COURSE DESCRIPTION (INCLUDE REQUISITES/RESTRICTIONS):
Prerequisites: ECE 27000 Minimum Grade of C and (Undergraduate level CS 15900 or ENGR 11700) and ECE 25500 [may be taken concurrently]

*COURSE LEARNING OUTCOMES:
See attachment.

Calumet Department Head	Date	Calumet School Dean	Date
Fort Wayne Department Head	Date	Fort Wayne School Dean	Date
Indianapolis Department Head	Date	Indianapolis School Dean	Date
North Central Department Head	Date	North Central Chancellor	Date
West Lafayette Department Head 3/31/10	Date	West Lafayette College/School Dean	Date West Lafayette Registrar Date

OFFICE OF THE REGISTRAR
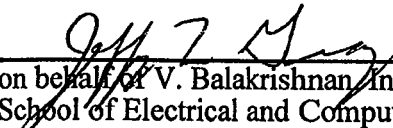
TO: The Faculty of the College of Engineering

FROM: The Faculty of the School of Electrical and Computer Engineering

RE: Change to Existing Undergraduate Course: ECE 36200, Microprocessor Systems and Interfacing, change in requisites.

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

From: ECE 36200 Microprocessor Systems and Interfacing
Sem. Fall, Spring, Summer; Cr. 4; Lecture 3. Lab 1
Prerequisites: ECE 27000 and (CS 15900 or ENGR 11700) and ECE 25500 [may be taken concurrently]
Restrictions: Must be enrolled in one of the following: School of Electrical & Computer Engineering
Description: An introduction to basic computer organization, microprocessor instruction sets, assembly language programming, and microcontroller peripherals.

To: ECE 36200 Microprocessor Systems and Interfacing
Sem. Fall, Spring, Summer; Cr. 4; Lecture 3. Lab 1
Prerequisites: ECE 27000 Minimum Grade of C and (CS 15900 or ENGR 11700) and ECE 25500 [may be taken concurrently]
Restrictions: Must be enrolled in: School of Electrical & Computer Engineering
Description: An introduction to basic computer organization, microprocessor instruction sets, assembly language programming, and microcontroller peripherals.

Reason: This course is part of the Core Curriculum for the BSCmpE degree. Subsets of Core Curriculum courses serve as prerequisites for most upper division ECE electives. In addition, a degree requirement for all ECE students is to achieve a GPA in all major-area (ECE) courses of at least a 2.0. Therefore, in order to ensure that ECE students are as well prepared as possible for upper division ECE courses, as well as to facilitate their achievement of the minimum major-area GPA of 2.0, a minimum grade requirement in the key ECE prerequisite course is being proposed.

_____
on behalf of V. Balakrishnan, Interim Head
School of Electrical and Computer Engineering

APPROVED FOR THE FACULTY
OF THE SCHOOLS OF ENGINEERING
BY THE ENGINEERING
CURRICULUM COMMITTEE

ECC Minutes _____#24_____

Date _____4/20/10_____

Chairman ECC _____R. Cipra_____

School of Electrical and Computer Engineering (EFD 33-10)

Course Learning Outcomes:

i. an ability to write programs for a microcontroller in assembly language.
ii. an ability to interface a microcontroller to various devices.
iii. an ability to effectively utilize the wide variety of peripherals integrated into a contemporary microcontroller.