

PURDUE UNIVERSITY  
REQUEST FOR ADDITION, EXPIRATION,  
OR REVISION OF AN UNDERGRADUATE COURSE  
(100-400 LEVEL)

37-06

DEPARTMENT Engineering Education

EFFECTIVE SESSION Fall 2007

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

- |   |   |
|---|---|
| <input type="checkbox"/> 1. New course with supporting documents          | <input type="checkbox"/> 7. Change in course attributes (department head signature only)  |
| <input type="checkbox"/> 2. Add existing course offered at another campus | <input type="checkbox"/> 8. Change in instructional hours                                 |
| <input type="checkbox"/> 3. Expiration of a course                        | <input type="checkbox"/> 9. Change in course description                                  |
| <input type="checkbox"/> 4. Change in course number                       | <input checked="" type="checkbox"/> 10. Change in course requisites                       |
| <input type="checkbox"/> 5. Change in course title                        | <input type="checkbox"/> 11. Change in semesters offered (department head signature only) |
| <input type="checkbox"/> 6. Change in course credit/type                  | <input type="checkbox"/> 12. Transfer from one department to another                      |

PROPOSED:

Subject Abbreviation

Course Number

Long Title Professional Preparation in Interdisciplinary Engineering

Short Title Professional Preparation in IDE

Abbreviated title will be entered by the Office of the Registrar if omitted. (22 CHARACTERS ONLY)

EXISTING:

Subject Abbreviation IDE

Course Number 301

TERMS OFFERED

Check All That Apply:

- Summer  Fall  Spring

CAMPUS(ES) INVOLVED

- |                                       |  |
|---------------------------------------|--|
| <input type="checkbox"/> Calumet      | <input type="checkbox"/> N. Central              |
| <input type="checkbox"/> Cont Ed      | <input type="checkbox"/> Tech Statewide          |
| <input type="checkbox"/> Ft. Wayne    | <input checked="" type="checkbox"/> W. Lafayette |
| <input type="checkbox"/> Indianapolis |  |

CREDIT TYPE

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

COURSE ATTRIBUTES: Check All That Apply

- |  |   |
|--|---|
| <input type="checkbox"/> 1. Pass/Not Pass Only               | <input type="checkbox"/> 7. Registration Approval Type                  |
| <input type="checkbox"/> 2. Satisfactory/Unsatisfactory Only | Department <input type="checkbox"/> Instructor <input type="checkbox"/> |
| <input type="checkbox"/> 3. Repeatable                       | <input type="checkbox"/> 8. Variable Title                              |
| Maximum Repeatable Credit: <input type="text"/>              | <input type="checkbox"/> 9. Remedial                                    |
| <input type="checkbox"/> 4. Credit by Examination            | <input type="checkbox"/> 10. Honors                                     |
| <input type="checkbox"/> 5. Designator Required              | <input type="checkbox"/> 11. Full Time Privilege                        |
| <input type="checkbox"/> 6. Special Fees                     | <input type="checkbox"/> 12. Off Campus Experience                      |

Instructional Type	Minutes Per Mtg	Meetings Per Week	Weeks Offered	% of Credit Allocated	Delivery Method (Asyn. Or Syn.)	Delivery Medium (Audio, Internet, Live, Text-Based, Video)
Lecture		1				
Discussion						
Laboratory						
Lab Prep						
Studio						
Distance						
Clinic						
Experiential						
Research						
Ind. Study						
Pract/Observ						

Cross-Listed Courses

COURSE DESCRIPTION (INCLUDE REQUISITES):

Seminar covering topics required for professional preparation of engineers including functioning in team, communication, ethics, global and societal impacts, how people learn, and contemporary issues impacting and impacted by engineering. Prerequisite: COM 114 or equivalent.

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 B. K. J. K. 7-19-07 \_\_\_\_\_ Date \_\_\_\_\_ West Lafayette College/School Dean [Signature] 9/20/07 \_\_\_\_\_ Date \_\_\_\_\_ West Lafayette Registrar [Signature] 10/8/07 \_\_\_\_\_ Date \_\_\_\_\_

10/8/07  
AR



**PURDUE UNIVERSITY**  
**REQUEST FOR ADDITION, EXPIRATION,**  
**OR REVISION OF AN UNDERGRADUATE COURSE**  
**(100-400 LEVEL)**

37-06

DEPARTMENT Engineering Education EFFECTIVE SESSION Fall 2007

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

- |   |   |
|---|---|
| <input type="checkbox"/> 1. New course with supporting documents          | <input type="checkbox"/> 7. Change in course attributes (department head signature only)  |
| <input type="checkbox"/> 2. Add existing course offered at another campus | <input type="checkbox"/> 8. Change in instructional hours                                 |
| <input type="checkbox"/> 3. Expiration of a course                        | <input type="checkbox"/> 9. Change in course description                                  |
| <input type="checkbox"/> 4. Change in course number                       | <input checked="" type="checkbox"/> 10. Change in course requisites                       |
| <input type="checkbox"/> 5. Change in course title                        | <input type="checkbox"/> 11. Change in semesters offered (department head signature only) |
| <input type="checkbox"/> 6. Change in course credit/type                  | <input type="checkbox"/> 12. Transfer from one department to another                      |

**PROPOSED:**

**EXISTING:**

Subject Abbreviation  Subject Abbreviation IDE

Course Number  Course Number 301

Long Title Professional Preparation in Interdisciplinary Engineering

Short Title Professional Preparation in IDE

Abbreviated title will be entered by the Office of the Registrar if omitted. (22 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

4. Thesis Credit: Yes  No

**COURSE ATTRIBUTES: Check All That Apply**

1. Pass/Not Pass Only

2. Satisfactory/Unsatisfactory Only

3. Repeatable   
 Maximum Repeatable Credit:

4. Credit by Examination

5. Designator Required

6. Special Fees

7. Registration Approval Type  
 Department  Instructor

8. Variable Title

9. Remedial

10. Honors

11. Full Time Privilege

12. Off Campus Experience

Instructional Type	Minutes Per Mtg	Meetings Per Week	Weeks Offered	% of Credit Allocated	Delivery Method (Asyn. Or Syn.)	Delivery Medium (Audio, Internet, Live, Text-Based, Video)
Lecture		1				
Recitation						
Presentation						
Laboratory						
Lecture/Prep						
Studio						
Distance						
Clinic						
Experiential						
Research						
Ind. Study						
Pract/Observ						

**Cross-Listed Courses**

**COURSE DESCRIPTION (INCLUDE REQUISITES):**

Seminar covering topics required for professional preparation of engineers including functioning in team, communication, ethics, global and societal impacts, how people learn, and contemporary issues impacting and impacted by engineering. Prerequisite: COM 114 or equivalent.

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 \_\_\_\_\_

*B. H. [Signature]* 7-19-07 *[Signature]* 9/29/07  
 West Lafayette Department Head \_\_\_\_\_ Date \_\_\_\_\_ West Lafayette College/School Dean \_\_\_\_\_ Date \_\_\_\_\_ West Lafayette Registrar \_\_\_\_\_ Date \_\_\_\_\_



Engineering Faculty Document 37-06  
March 8, 2007

To: The Engineering Faculty  
From: The Department of Engineering Education  
Date: March 8, 2007  
Subject: Addition of COM 114 prerequisite to IDE 301

The faculty of the Department of Engineering Education has approved the following changes in IDE 301. This action is now submitted to the Engineering Faculty with a recommendation for approval.

**From: IDE 301 Professional Preparation in Interdisciplinary Engineering**

Sem. 2. Class 1, Cr. 1. Junior or senior standing in IDE.

Seminar covering topics required for professional preparation of engineers including functioning in teams, communication, ethics, global and societal impacts, how people learn, and contemporary issues impacting and impacted by engineering.

**To: IDE 301 Professional Preparation in Interdisciplinary Engineering**

Sem. 2. Class 1, Cr. 1. Junior or senior standing in IDE.

Prerequisite: COM 114 or equivalent.

Seminar covering topics required for professional preparation of engineers including functioning in teams, communication, ethics, global and societal impacts, how people learn, and contemporary issues impacting and impacted by engineering.

**Reason:**

Since EFD 39-04 changed the requirements of the First-Year Engineering program, COM 114 is no longer required in the first year. COM 114 or equivalent courses are still required in the Undergraduate Degree Programs in the Department of Engineering Education, are needed as prerequisites for IDE 301, and thus need to be explicitly listed as a prerequisite.

Kamyar Haghighi  
Head  
Department of Engineering Education



November 1, 2005

**TO:** The Faculty of the Schools of Engineering  
**FROM:** The Faculty of the Department of Engineering Education and The First-Year Engineering Curriculum Committee  
**SUBJECT:** Change of Course Requirements for the First-Year Engineering Program.

The Faculty of the Department of Engineering Education and the First-Year Engineering Curriculum Committee have approved course requirement changes to the curriculum for the First-Year Engineering program. This action is now submitted to the Engineering Faculty with a recommendation for approval to take effect for beginning students entering the program Summer 2006 and thereafter.

Current and proposed plans of study are attached. Detailed descriptions of proposed changes are provided along with reasons for these proposed changes and notes on their implementation.

---

Kamyar Haghighi, Head  
Department of Engineering Education





**REQUIREMENTS:**

<b>First-Year Engineering Curriculum</b> (Minimum □ 32 credit hours)				
<b>FALL</b>	<b>CR</b>		<b>SPRING</b>	<b>CR</b>
MATH 165/161	4-5		MATH 166/162	4-5
CHM 115	4		CHM 116	4
ENGR 106	2		CS 156/158	2-3
ENGR 100/103/104 (seminar)	1		PHYS 152	4
COM 114 or ENGL 106/8	3-4		ENGL 106/8 or COM 114	4-3
CGT 163/164	(2)			
TOTAL	14-16 (16-18)		TOTAL	17-20

**RECOMMENDED:**

<b>Typical First-Year Engineering Curriculum<sup>1</sup></b> (Recommended □ 32 credit hours)				
<b>FALL</b>	<b>CR</b>		<b>SPRING</b>	<b>CR</b>
MATH 165/161	4-5		MATH 166/162	4-5
CHM 115	4		ENGL 106/8 or First-Year Gen Ed <sup>2</sup>	4-3
ENGR 126	3		PHYS 152	4
ENGR 100/103/104 (seminar)	1		Science Selective <sup>3</sup>	3-4
ENGL 106/8 or First-Year Gen Ed <sup>2</sup>	3-4			
Elective <sup>4,5</sup>	0-3		Elective <sup>4,5</sup>	0-3
Total Recommended	15-18		Total Recommended	14-18

Completion of the common core courses will allow entry into all the Schools of Engineering, subject to individual schools' space management requirements. These include ENGR 100/103/104, a First-Year General Education course, and the following courses upon which the Engineering Admissions Index (EA) will be based: MA 165/161, MA 166/162/173, CHM 115/123, ENGL 106/108, ENGR 126, PHYS 152, and the Science Selective.

First-Year General Education course will be selected from the College of Engineering approved list of General Education Electives. Students are encouraged to select COM 114 as their First-Year General Education course, since it may be required by individual schools. A course taken to fulfill the First-Year General Education requirement will not count towards the 18 hours of required General Education Electives.

