TO: The Faculty of the College of Engineering

FROM: The Faculty of the School of Industrial Engineering

RE: Change to Undergraduate-Level Course IE 34300 Prerequisite

From: IE 34300 – Engineering Economics
Term Offered: Fall, Spring, Summer; Lecture 3, Cr. 3

Prerequisites: ENGR 13100 or ENGR 14100 or (EPCS 11100 and EPCS 12100) or ENGR 12600; and MA 16600 or MA 18100 or MA 16400 or MA 16200 or MA 17300 or MA 16900
Description: Cost measurement and control in engineering studies. Basic accounting concepts, income measurement, and valuation problems. Manufacturing cost control and standard cost systems. Capital investment, engineering alternatives, and equipment replacement studies. Not open to students with credit in CE 394. Typically offered Summer Fall Spring.

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Term Offered: Fall, Spring, Summer; Lecture 3, Cr. 3

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Reason: Recent changes in First Year Engineering honors coursework (i.e., ENGR 16100 and 16200) necessitate adding the corresponding first design course to the list of prerequisites.

Abhijit Deshmukh
Professor and Head
School of Industrial Engineering
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________________________________
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Professor and Head
School of Industrial Engineering
### 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: EXISTING:

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<thead>
<tr>
<th>Subject Abbreviation</th>
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<th>Course Number</th>
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<th>Long Title</th>
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### TERMS OFFERED

- Summer
- Fall
- Spring

### TERMS OFFERED

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

### CREDIT TYPE

1. Fixed Credit: Cr. Hrs. 3.000
2. Variable Credit Range: (Check One) To Or
3. Equivalent Credit: Yes No
4. Credit by Examination
5. Fees
6. Registration Approval Type: Check All That Apply
7. Variable Title
8. Honors
9. Full Time Privilege
10. Off Campus Experience

### COURSE ATTRIBUTES: Check All That Apply

- Classification: Undergraduate level
- Repeatable
- Equivalent Credit: Yes No
- Credit by Examination
- Fee Request
- Instructor
- Department
- Satisfactory/Unsatisfactory Only
- Pass/Not Pass Only

### COURSE DESCRIPTION (INCLUDE REQUISITES/RESTRICTIONS):

Credit Hours: 3.00. Cost measurement and control in engineering studies. Basic accounting concepts, income measurement, and valuation problems. Manufacturing cost control and standard cost systems. Capital investment, engineering alternatives, and equipment replacement studies. Not open to students with credit in CE 394. Typically offered Summer Fall Spring.

**Prerequisites:**
- Undergraduate level ENGR 13100 Minimum Grade of D- or Undergraduate level ENGR 12600 Minimum Grade of D-
- Undergraduate level MA 18100 Minimum Grade of D- or Undergraduate level MATH 16400 Minimum Grade of D- or Undergraduate level MA 16600 Minimum Grade of D- or Undergraduate level MA 16400 Minimum Grade of D- or Undergraduate level MA 17300 Minimum Grade of D- or Undergraduate level MA 16900 Minimum Grade of D-

**COURSE LEARNING OUTCOMES:**

- Learn how to evaluate the financial worth of an engineering project
- Learn how to choose between multiple engineering projects
- Learn how economic concepts affect cash flows associated with projects

### Course Learning Outcomes

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- Learn how to choose between multiple engineering projects
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### Cross-Listed Courses

[Cross-Listed Courses]

### Credit: 3.00

- Lecture
- Recitation
- Presentation
- Laboratory
- Lab Prep
- Studio
- Distance
- Clinic
- Experiential
- Research
- Ind. Study
- Pract/Observ

### Weekly Schedule

- Lecture: 50 min per mtg, 15 weeks
- Recitation: 30 min per mtg, 15 weeks
- Presentation: 30 min per mtg, 15 weeks
- Laboratory: 30 min per mtg, 15 weeks
- Lab Prep: 30 min per mtg, 15 weeks
- Studio: 30 min per mtg, 15 weeks
- Distance: 30 min per mtg, 15 weeks
- Clinic: 30 min per mtg, 15 weeks
- Experiential: 30 min per mtg, 15 weeks
- Research: 30 min per mtg, 15 weeks
- Ind. Study: 30 min per mtg, 15 weeks
- Pract/Observ: 30 min per mtg, 15 weeks

### Department Heads

- Calumet Department Head
- Fort Wayne Department Head
- Indianapolis Department Head
- North Central Faculty Senate Chair

### School Deans

- Calumet School Dean
- Fort Wayne School Dean
- Indianapolis School Dean

### Vice Chancellor for Academic Affairs

- Vice Chancellor for Academic Affairs