**PURDUE UNIVERSITY**

**REQUEST FOR ADDITION, EXPIRATION, OR REVISION OF AN UNDERGRADUATE COURSE**

**DEPARTMENT:** Mechanical Engineering  
**EFFECTIVE SESSION:** Fall 2009-2010

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

- New course with supporting documents
- Add existing course offered at another campus
- Expiration of a course
- Change in course number
- Change in course title
- Change in course credit type
- Change in course attributes (department head signature only)
- Change in instructional hours
- Change in course description
- Change in course prerequisites
- Change in semesters offered (department head signature only)
- Transfer from one department to another

**PROPOSED:**

- Subject Abbreviation: ME
- Course Number: 290
- Long Title: Global Engineering Professional Seminar
- Short Title: Global Engr Prof Sem

**EXISTING:**

- Subject Abbreviation
- Course Number
- Long Title
- Short Title

**TERMS OFFERED:**

- Summer
- Fall
- Spring

**CAMPUS(ES) INVOLVED:**

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

**CREDIT TYPE**

- 1. Fixed Credit: Cr. Hrs. 1
- 2. Variable Credit Range:
  - Minimum Cr. Hrs. (Check One)
  - Maximum Cr. Hrs.
- 3. Equivalent Credit: Yes
- 4. Thesis Credit: Yes

**COURSE ATTRIBUTES:**

- 7. Registration Approval Type
- 8. Variable Title
- 9. Remedial
- 10. Honors
- 11. Full Time Privilege
- 12. Off Campus Experience

**INSTRUCTIONS:**

- Week(s): 16
- % of Credit Allocated
- Delivery Method (Asyn. Or Syn.): Live
- Cross-Listed Courses

**COURSE DESCRIPTION (INCLUDE REQUISITES):**

**ME 290  Global Engineering Professional Seminar**

Sem. 1, 2, Class 1, cr. 1.

Prerequisite: COM 114, ENGL 106 or 108, Mechanical Engineering majors only.

Forum on contemporary issues in the global profession of mechanical engineering. Professionalism and ethics. Interactions with engineering faculty and with professionals outside the University. Professional portfolio of communication assignments including understanding of cultural differences and collaborating across cultural boundaries. Individual plan of study. Academic career options including Global Engineering Studies Minor.

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**Signed:**

- Calumet Department Head Date
- Fort Wayne Department Head Date
- Indianapolis Department Head Date
- North Central Department Head Date
- West Lafayette Department Head Date

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**Comments:**

- Using the Doc. Info attached – this 40 has the original info

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**OFFICE OF THE REGISTRAR**
ME 290 Global Engineering Professional Seminar
Sem. 1, 2, Class 1, cr. 1.
Prerequisite: COM 114, ENGL 106 or 108, Mechanical Engineering majors only.

Forum on contemporary issues in the global profession of mechanical engineering. Professionalism and ethics. Interactions with engineering faculty and with professionals outside the University. Professional portfolio of communication assignments including understanding of cultural differences and collaborating across cultural boundaries. Individual plan of study. Academic career options including Global Engineering Studies Minor.

<table>
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<tr>
<th>Component</th>
<th>Minutes Per Mtr</th>
<th>Meetings Per Week</th>
<th>Weeks Offered</th>
<th>% of Credit Allocated</th>
<th>Delivery Method (Any or Sync.)</th>
<th>Delivery Medium (Audio, Internet, Live, Text-Based, Video)</th>
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**OFFICE OF THE REGISTRAR**
TO: The Engineering Faculty

FROM: The Faculty of the School of Mechanical Engineering

RE: ME 29000 Prerequisite Changes and Correction in Course Description

The Faculty of the School of Mechanical Engineering has approved the following prerequisite and course description change. This action is now submitted to the Engineering Faculty with a recommendation for approval.

From:

ME 29000 Global Engineering Professional Seminar
Sem. 1, 2, Class 1, cr. 1
Prerequisite: Mechanical Engineering majors only

Forum on contemporary issues in the global profession of mechanical engineering. Professionalism and ethics. Interactions with engineering faculty and with professionals outside the University. Professional portfolio of communication assignments including understanding of cultural differences and collaborating across cultural boundaries. Individual plan of study. Academic career options including Global Engineering Studies Minor.

To:

ME 29000 Global Engineering Professional Seminar
Sem. 1, 2, Class 1, cr. 1
Prerequisite: COM 11400, ENGL 10100, 10200, 10300, 10600 or 10800, Mechanical Engineering majors only

Forum on contemporary issues in the global profession of mechanical engineering. Professionalism and ethics. Interactions with engineering faculty and with professionals outside the University. Quizzes on assigned readings in the areas of globalization, cultural difference and collaborating across cultural boundaries. Individually developed professional profiles describe technical interests and convey awareness of ethical responsibilities in global context.

Reason: The added prerequisites of COM 11400 and ENGL 10100, 10200, 10300, 10600 or 10800 are needed because of an increasing number of requests to admit students into ME without one or more of these First-Year Engineering courses. Also, we updated the course description.

James D. Jones, Associate Professor and Associate Head
School of Mechanical Engineering

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

ECC Minutes #12
Date 1/8/2010
Chairman ECC R. Cipra
ME 29000
Global Engineering
Professional Seminar

**Course Outcomes** [Related ME Program Outcomes in brackets]

1. Provide a solid foundation in global engineering skills. [B3, B6, B7, C3]
2. Introduce the global engineering community and encourage active involvement with professional associations such as ASME and SAE to develop teamwork and leadership skills. [B3, B6, B7, C3, C6]
3. Explore the ME Curriculum and identify resources available for planning academic a program including global literacies (language and area studies) and for obtaining diverse industrial experience appropriate for developing global competencies. [B3, B6, B7, C3]
4. Support the development of a strong ethical framework for global professional workplace as a responsible member of the global engineering community. [B6, B7, C3]

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**Global Communication Skills**

1. Professional presentation of engineering interests and credentials;
2. Competency with digital media for diverse and distant audiences.
4. Strategies for collaborating across cultural boundaries.

**Global Professional Engineering Opportunities**

1. Industry speakers representing a range of ME global career paths.
2. Curricular resources for language area studies; options for diploma endorsement, "Global Engineering Studies Minor."
3. Professional association representatives (e.g., ASME, SAE).

**Global Professional and Ethical Issues**

1. Code of Ethics of Engineers.
2. Ethical reasoning frameworks.
3. Ethical practices: case studies.
5. Ethical approaches to cultural differences.

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**Capable Global Professionals**

Skilled global communicators committed to professional and ethical leadership in the global engineering community. [B3, B6, B7, C3, C6]
**COURSE NUMBER:** ME 29000

**REQUIRED COURSE OR ELECTIVE COURSE:** Required

**TEXTBOOK/REQUIRED MATERIAL:** Class Notes

**COORDINATING FACULTY:** D.L. Atkinson  
E.D. Hirleman

**COURSE DESCRIPTION:** Forum on contemporary issues in the global profession of mechanical engineering. Professionalism and ethics. Interactions with engineering faculty and with professionals outside the University. Quizzes on assigned readings in the areas of globalization, cultural difference and collaborating across cultural boundaries. Individually developed professional profiles describe technical interests and convey awareness of ethical responsibilities in global context.

**ASSESSMENTS TOOLS:**
1. Quizzes over assigned readings.
2. Criterion-based final assessment of Professional Profile presenting technical interests and conveying awareness of ethical responsibilities.

**PROFESSIONAL COMPONENT:**
1. Engineering Topics: Professionalism/Ethics – 1 credit (100%)

**COMPUTER USAGE:** MSWord or any desktop publishing software for document design. UNIX platform for Internet site construction.

**COURSE STRUCTURE/SCHEDULE:**
1. Lecture - 1 day per week at 50 minutes.

**COURSE TITLE:** Global Engineering Professional Seminar

**TERMS OFFERED:** Fall and Spring

**PRE-REQUISITES:** COM 11400, ENGL 10100, 10200, 10300, 10600 or 10800, Mechanical Engineering Majors Only

**COURSE OUTCOMES** [Related ME Program Outcomes in brackets]:
1. Provide a solid foundation in global engineering skills. [B3, B6, B7, C3]
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4. Support the development of a strong ethical framework for global professional workplace, including an appreciation for cultural differences, as a responsible member of the global engineering community. [B3, B6, B7, C3, C6].

**RELATED ME PROGRAM OUTCOMES:**
B3. Communication  
B7. Work Effect. In the Global Engrmg. Prof.  
C3. Strong work ethic  
C6. Curious and Persistent Lifelong Learners

**PREPARED BY:** D.L. Atkinson

**DATE:** January 27, 2009
TO: The Engineering Faculty

FROM: The Faculty of the School of Mechanical Engineering

RE: ME 29000 Prerequisite Changes and Correction in Course Description

The Faculty of the School of Mechanical Engineering has approved the following prerequisite and course description change. This action is now submitted to the Engineering Faculty with a recommendation for approval.

From:

ME 29000 Global Engineering Professional Seminar
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To:

ME 29000 Global Engineering Professional Seminar
Sem. 1, 2, Class 1, cr. 1
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James D. Jones, Associate Professor and Associate Head
School of Mechanical Engineering
ME 29000
Global Engineering Professional Seminar

Course Outcomes [Related ME Program Outcomes in brackets]

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Global Communication Skills
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