

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

*EFD 38-09*

DEPARTMENT Mechanical Engineering EFFECTIVE SESSION Fall 2009-2010

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 checked="" 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 ME Course Number 290 Long Title Global Engineering Professional Seminar Short Title Global Engr Prof Sem

**EXISTING:** Subject Abbreviation \_\_\_\_\_ Course Number \_\_\_\_\_

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**

<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
<input type="checkbox"/>	Maximum Repeatable Credit: _____	<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 Mig	Meetings Per Week	Weeks Offered	% of Credit Allocated	Delivery Method (Asyn. Or Syn.)	Delivery Medium (Audio, Internet, Live, Text-Based, Video)
Lecture	50	1	16		Syn.	Live
Recitation						
Presentation						
Laboratory						
Lab Prep						
Studio						
Distance						
Clinic						
Experiential						
Research						
Ind. Study						
Pract/Observ						

**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.

*Using the Doc. info attached - this 40 has the original info*

Calumet Department Head _____ Date _____	Vice Chancellor _____ Date _____
Fort Wayne Department Head _____ Date _____	Curriculum Committee _____ Date _____
Indianapolis Department Head _____ Date _____	Approved by Graduate Council _____ Date _____
North Central Department Head _____ Date _____	Faculty Secretary _____ Date _____

*James D. Jones 10/05/2010* \_\_\_\_\_ Date \_\_\_\_\_  
West Lafayette Department Head \_\_\_\_\_ Date \_\_\_\_\_  
West Lafayette College/School Dean \_\_\_\_\_ Date \_\_\_\_\_  
West Lafayette Registrar \_\_\_\_\_ Date \_\_\_\_\_

*6/10/10*



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

*EAD 38-09*

DEPARTMENT Mechanical Engineering EFFECTIVE SESSION Fall 2009

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| <input type="checkbox"/> 1. New course with supporting documents          | <input type="checkbox"/> 7. Change in course attributes (department head signature only)  |
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| <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 ME **EXISTING:** Subject Abbreviation \_\_\_\_\_  
 Course Number 290 Course Number \_\_\_\_\_  
 Long Title Global Engineering Professional Seminar  
 Short Title Global Engr Prof Sem

**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. 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**  
 1. Pass/Not Pass Only  7. Registration Approval Type   
 2. Satisfactory/Unsatisfactory Only  Department  Instructor   
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 Maximum Repeatable Credit: \_\_\_\_\_ 9. Remedial   
 4. Credit by Examination  10. Honors   
 5. Designator Required  11. Full Time Privilege   
 6. Special Fees  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)	Cross-Listed Courses
Lecture	50	1	16		Syn.	Live	
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Presentation							
Laboratory							
Web Prep							
Audio							
Distance							
Clinic							
Experiential							
Research							
Ind. Study							
Pract/Observ							

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**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.

Calumet Department Head _____ Date _____	Calumet School Dean _____ Date _____	Fort Wayne Chancellor _____ Date _____
Fort Wayne Department Head _____ Date _____	Fort Wayne School Dean _____ Date _____	Undergrad Curriculum Committee _____ Date _____
Indianapolis Department Head _____ Date _____	Indianapolis School Dean _____ Date _____	Date Approved by Graduate Council _____
North Central Department Head _____ Date _____	North Central Chancellor _____ Date _____	Graduate Council Secretary _____ Date _____
<i>James D. Jones</i> _____ Date <u>05/2010</u>	<i>Michael P. ...</i> _____ Date _____	West Lafayette Registrar _____ Date _____

**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]

**Global Communication Skills**

1. Professional presentation of engineering interests and credentials;
2. Competency with digital media for diverse and distant audiences.
3. Knowledge of cultural differences.
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.
4. Guidelines for Professional Conduct.
5. Ethical approaches to cultural differences.

**Capable Global Professionals**

Skilled global communicators committed to professional and ethical leadership in the global engineering community. [B3, B6, B7, C3, C6]

<b>COURSE NUMBER:</b> ME 29000		<b>COURSE TITLE:</b> Global Engineering Professional Seminar	
<b>REQUIRED COURSE OR ELECTIVE COURSE:</b> Required		<b>TERMS OFFERED:</b> Fall and Spring	
<b>TEXTBOOK/REQUIRED MATERIAL:</b> Class Notes		<b>PRE-REQUISITES:</b> COM 11400, ENGL 10100, 10200, 10300, 10600 or 10800, Mechanical Engineering Majors Only	
<b>COORDINATING FACULTY:</b> D.L. Atkinson E.D. Hirleman		<b>COURSE OUTCOMES</b> [Related ME Program Outcomes in brackets]:	
<b>COURSE DESCRIPTION:</b> 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.		<ol style="list-style-type: none"> <li>1. Provide a solid foundation in <i>global engineering skills</i>. [B3, B6, B7, C3]</li> <li>2. Introduce the in <i>global engineering community</i> and encourage active involvement with <i>professional associations</i> such as ASME and SAE to develop teamwork and leadership skills. [B3, B6, B7, C3, C6]</li> <li>3. Explore the <i>ME Curriculum</i> and identify resources available for planning academic a program including global literacies (language and area studies) and for obtaining diverse <i>industrial experience appropriate for developing global competencies</i>. [B3, B6, B7, C3]</li> <li>4. Support the development of a strong <i>ethical framework for global professional workplace</i>, including an appreciation for cultural differences, as a responsible member of the global engineering community. [B3, B6, B7, C3, C6].</li> </ol>	
<b>ASSESSMENTS TOOLS:</b> <ol style="list-style-type: none"> <li>1. Quizzes over assigned readings.</li> <li>2. Criterion-based final assessment of Professional Profile presenting technical interests and conveying awareness of ethical responsibilities.</li> </ol>		<b>RELATED ME PROGRAM OUTCOMES:</b>	
<b>PROFESSIONAL COMPONENT:</b> <ol style="list-style-type: none"> <li>1. Engineering Topics: Professionalism/Ethics – 1 credit (100%)</li> </ol>		B3. Communication	
<b>COMPUTER USAGE:</b> MSWord or any desktop publishing software for document design. UNIX platform for Internet site construction.		B6. Work Effect. In Diverse/Multicult. Envir.	
<b>COURSE STRUCTURE/SCHEDULE:</b> <ol style="list-style-type: none"> <li>1. Lecture - 1 day per week at 50 minutes.</li> </ol>		B7. Work Effect. In the Global Engng .Prof.	
<b>PREPARED BY:</b> D.L. Atkinson		C3. Strong work ethic	
		C6. Curious and Persistent Lifelong Learners	
		<b>DATE:</b> January 27, 2009	

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

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**To:**

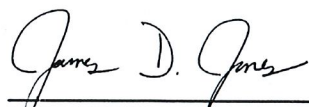
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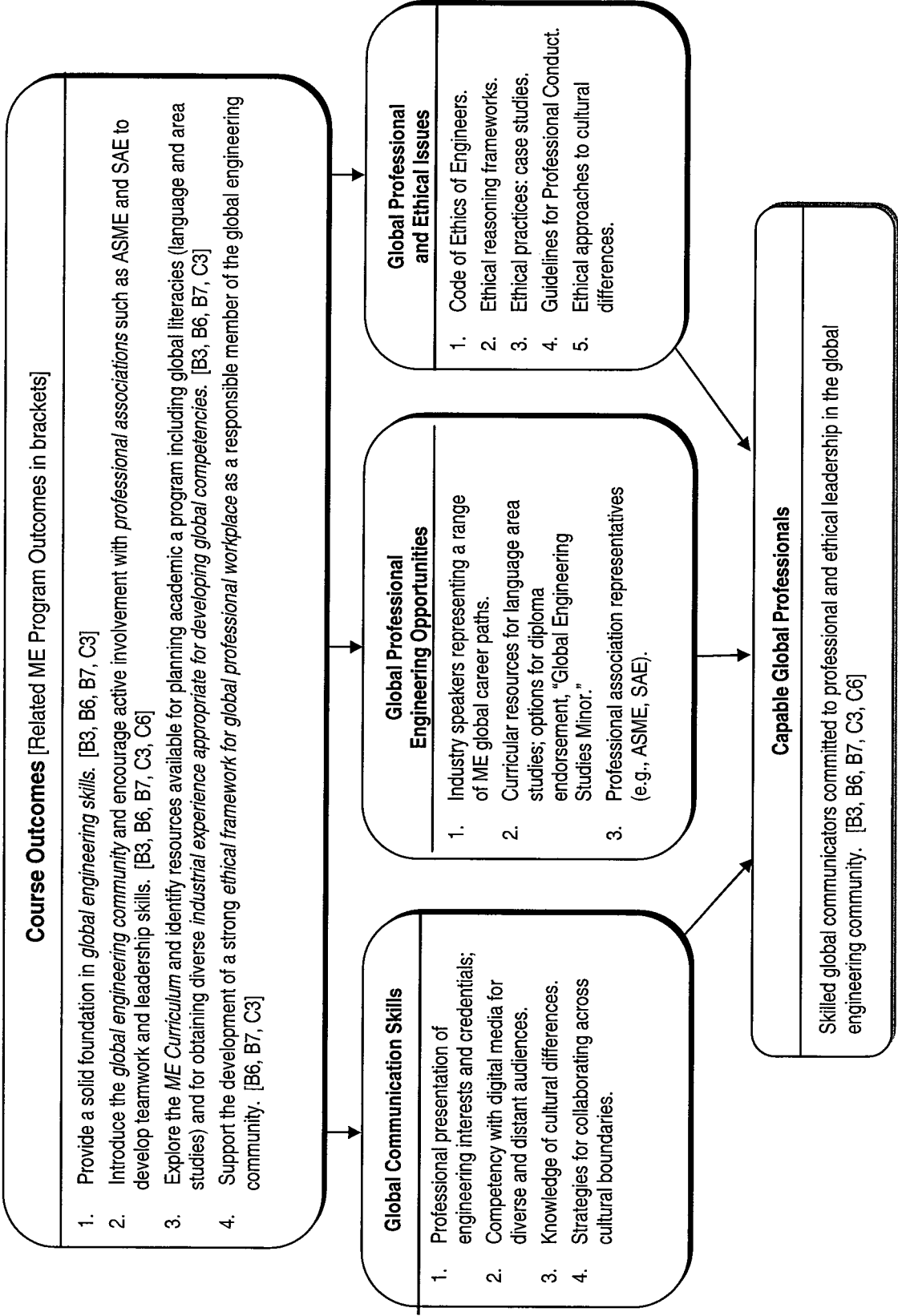
Date 1-8-10

Chairman ECC R. Cipra





**ME 29000  
Global Engineering  
Professional Seminar**





<b>COURSE NUMBER:</b> ME 29000		<b>COURSE TITLE:</b> Global Engineering Professional Seminar	
<b>REQUIRED COURSE OR ELECTIVE COURSE:</b> Required		<b>TERMS OFFERED:</b> Fall and Spring	
<b>TEXTBOOK/REQUIRED MATERIAL:</b> Class Notes		<b>PRE-REQUISITES:</b> COM 11400, ENGL 10100, 10200, 10300, 10600 or 10800, Mechanical Engineering Majors Only	
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<b>PROFESSIONAL COMPONENT:</b>			
1. Engineering Topics: Professionalism/Ethics – 1 credit (100%)			
<b>COMPUTER USAGE:</b> MSWord or any desktop publishing software for document design. UNIX platform for Internet site construction.			
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