ME 29000
Global Engineering
Professional Seminar

Course Outcomes [Related ME Program Outcomes in Brackets]
1. Provide a solid foundation in *global engineering skills*. [B1, B2, B4, C1, C2]
2. Introduce the *global engineering community* and encourage active involvement with professional associations such as ASME and SAE to develop teamwork and leadership skills. [B1, B2, B5, C1, C2]
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*. [B1, B2, B4, C1, C2]
4. Support the development of a strong *ethical framework for global professional workplace* as a responsible member of the global engineering community. [B2, C1, C2]

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.

Capable Global Professionals
Skilled global communicators committed to professional and ethical leadership in the global engineering community. [B1, B2, B3, B4, C1, C2]
1. COURSE NUMBER & COURSE TITLE : ME 29000  Global Engineering Professional Seminar

2. CREDITS AND CONTACT HOURS: 1 credit
   a. Lecture – 1 day per week at 50 minutes for 16 weeks

3. COURSE COORDINATOR OR INSTRUCTOR:
   D.L. Atkinson
   J.D. Jones

4. TEXTBOOK:
   The Post-American World, 2nd ed., Zakaria

5. SPECIFIC COURSE INFORMATION:
   a. Catalog 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. Typically offered in fall and spring.
   b. Prerequisites:
      COM 11400
      ENGL 10100, 10200, 10300, 10600, or 10800,
      Mechanical Engineering Majors Only
   c. Status: Required

6. SPECIFIC GOALS FOR THE COURSE
   a. Course Outcomes:
      [Related ME Program Outcomes in Brackets]
      1. Provide a solid foundation in *global engineering skills*.
         [B1, B2, B4, C1, C2]
      2. Introduce the in *global engineering community* and encourage active involvement with *professional associations* such as ASME and SAE to develop teamwork and leadership skills.
         [B1, B2, B5, C1, C2]
      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*.
         [B1, B2, B4, C1, C2]
      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. [B2, C1, C2].
   b. Related ME Program Outcomes
      [Related ABET Outcomes Listed in Brackets]
      A1. Engineering Fundamentals; B3. Prof/Ethical Responsibility;
      A3. Experimental Skills; B5. Life-Long Learning;
      A4. Modern Engr Tools; C1. Leadership,
      A5. Design Skills; C2. Global Engineering Skills;
      A6. Impact of Engr Solns; C3. Innovation;
      B1. Communication Skills; C4. Entrepreneurship
      B2. Teamwork Skills

7. LIST OF TOPICS: See following page.

PREPARED BY: D.L. Atkinson

DATE: March 1, 2013