Syllabus for BME, ECE, EVE, IDM, ISE, MAE 488, ECE 486
Engineering Design Exhibit II
Spring Semester 2014
Tuesday, Thursday 3:05PM
Room SEB 110

Instructors: Dr. Hodge Jenkins, Associate Professor
Department of Mechanical Engineering
Dr. James Wright, Adjunct Professor
Department of Mechanical Engineering

Office: Dr. Jenkins
EGC 101-D  By appointment only
Dr. Wright

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Textbooks and Supplies:
Required: None
Recommended: None

Web Sites: http://faculty.mercer.edu/jenkins_he/egr488.htm

Catalog Description:
Continuation of Engineering Design Exhibit I. Multi-disciplinary design projects with substantial
specialty-specific content. Small groups design, build, and test realistic engineering systems
under faculty supervision. Projects include safety, economic, environmental, and ethical
considerations and require written and oral reports.

Course Objectives: Upon successful completion of this course, you should be able to do
the following:
- Work in teams
- Develop solutions to complex problems
- Prototype design realizations
- Develop and execute test plans
- Analyze test results
- Communicate effectively to technical and general audiences in both written and oral forms

Prerequisites:
BME, ECE,EVE, IDM, ISE, MAE 487, or ECE 485

Refer to your Guide for XXX 487/488 for all other course details.
Course Grading

Progress Reports 15%
Critical Design Review
  Written 35%
  Oral 25%
Responsiveness to client, instructors, technical advisor, and fellow design team members 15%
Poster for Engineering Expo 5%
Final Exam (completed peer/self evaluation/exit survey) 5%

Compete in ASEE-SE or other Student Research Poster Competition +5% Bonus

Course Standards:

1. Assignments are due at the beginning of the class period on the date due. In an exceptional circumstance you may petition to hand in an assignment late. If granted, the grade will be reduced one letter grade per day late.

2. Attendance is required due to the team activities we will be doing. Absences will result in grade penalties.

3. Grading encompasses every aspect of the course, from participation through final products. You can assume that every task requested directly or indirectly factors into your grade. For example, having your work prepared for your group is as important as having it ready for me. Regular feedback will be given on documents handed in.

4. You are encouraged to schedule a conference at any point that you need it.

5. Please turn off cell phones and pagers before entering the classroom.

6. The honor code provisions as outlined in the Bulletin and in the student handbook, The Lair, will be assumed for everyone. It should be clear from class discussion which projects will be collaborative and which ones must be individual. When in doubt, please ask to avoid potentially embarrassing situations. Plagiarism is a violation of the honor code and is prohibited.

7. Students with a documented disability should inform the instructor at the close of the first class meeting. The instructor will refer you to the office of Student Support Services (SSS) for consultation regarding evaluation, documentation of your disability, and recommendations for accommodation, if needed. Students will receive from SSS the Faculty Accommodation Form. On this form SSS will identify reasonable accommodations for this class. The form must be given to the course instructor for signature and then returned to SSS.

To take full advantage of disability services, it is recommended that students contact the Office of Student Support Services, immediately. The office is located on the third floor of the Connell Student Center.

8. This syllabus is subject to change.

Electronic Communication:
Electronic communication is an important adjunct to face-to-face communication, including from professor to students, students to professor, and students to students. You must have regular access to your e-mail. Students are required to use their Mercer assigned e-mail address for all electronic communication. Access to the Web and to the Internet is also integral to the class work. A number of laboratories on campus will provide access.