

ENCH 446 Process Engineering Economics and Design II

Spring 2013 Syllabus

Instructor: Sheryl Ehrman
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Office Hours: Weds 2:00 to 3:00 pm
Fri 3:00 to 4:00 pm
By appointment

Textbook: None

Class Schedule: W..... 3:00 pm to 5:30 pm (CHEM 1402)

Useful Websites: <http://umdcg.mroomstest.net/login/> course hosting website
<http://www.eit.umd.edu/vcl/index.php> virtual computer lab
<http://www.sache.org> process safety information
<http://www.isr.umd.edu/Labs/CACSE/A-Team/ChemCAD/index.html>
ChemCad tutorials

COURSE OBJECTIVES

In this course, students will apply chemical engineering principles for the design of chemical processing equipment. Students will solve typical problems in the design of chemical plants, incorporating economic, process safety and environmental sustainability considerations. Significant teamwork will be required and communication skills in the form of written and oral reports will be emphasized.

GRADING POLICY

Team Grades

Project 2 Assignments	20%
Project 2 Presentations	10%
Project 2 Final Report	20%
Subtotal	50%

Individual Grades

Individual Contribution to Team / Participation	15%
Project 1 Assignments	20%
Additional Individual Assignments	15%
Subtotal	50%

Grade scale: A+: 98-100%; A: 93-97%; A-: 90-92%; B+: 87-89%; B: 83-86%; B-: 80-82%; C+: 77-79%; C: 73-76%; C-: 70-72%; D+: 67-69%; D: 63-66%; D-: 60-62%; F: 0-59%

Academic Integrity

The University of Maryland, College Park has a nationally recognized Code of Academic Integrity, administered by the Student Honor Council. This Code sets standards for academic

integrity at Maryland for all undergraduate and graduate students. As a student you are responsible for upholding these standards for this course. It is very important for you to be aware of the consequences of cheating, fabrication, facilitation, and plagiarism. For more information on the Code of Academic Integrity or the Student Honor Council, please visit <http://www.shc.umd.edu>.

To further exhibit your commitment to academic integrity, remember to sign the Honor Pledge on all examinations and assignments: “I pledge on my honor that I have not given or received any unauthorized assistance on this examination (assignment).”

Attendance

Regular attendance during clinics and for team/instructor meetings during class time is expected.

Exams and Assignments

Individual and team assignments must be turned in at the beginning of the class period on the due date, or at the time of the team/instructor meeting. Late assignments will not be accepted, except in the case of unusual circumstances with submission of sufficient documentary evidence. Assignments that are illegible will not be graded. Calculations may be handwritten, but it is recommended that any extensive text be prepared using word processing software. Any requests for re-grading must be submitted in writing in a timely manner.

Peer Evaluations

Two peer evaluations will be given during the semester. The peer evaluation forms will be available from the course website. The result of this evaluation, the instructor’s personal discretion, and information from the team reports will be used to determine the “Individual Contribution to Team” grade.

Accommodations

Religious observances: Students shall be given an opportunity whenever feasible to make up in a reasonable time any academic assignment that is missed due to individual participation in religious observances. It is the student’s responsibility to inform the instructor of any intended absences for religious observances *in advance*.

Disabilities: The University has a legal obligation to provide appropriate accommodations for students with disabilities. If you have a university registered special need related to a disability, please inform the instructor *as soon as possible* to arrange accommodations.