

ChE 344
Week 2
Problem Set 1
Due Tuesday, January 15, 2013 (Lecture 2)

Individual Assignment

Please absolutely no talking during lecture. If you need to speak to someone there will be sufficient opportunities during breaks.

1. PLQ2 (PreLecture 2 Quiz) - What is a Levenspiel Plot (Ch. 2)? Submit your answer to CTools before class.
2. P1-1_A. Part (a) Submit your “brief” paragraph by e-mail to vjtocco@umich.edu. After subject, type: Problem Set 1: Course goals.
3. P1-2_A (omit part (d))
4. P1-5_A - ICM Kinetics Challenge 1. The module can be installed from the DVD or it can be downloaded from the following web sites: <http://www.essentialsofcre.com/> or <http://www.umich.edu/~essen/>. For this first assignment, send your performance number to cdpet@umich.edu.
5. Problem P1-6_A
6. P 1-12_B-Use Polymath 6.1 (available on CAEN computers).
There is a Polymath Tutorial on the web site in the summary notes for Chapter 1. To access the tutorial start from the home page and then:
 1. Click on Living Examples Problems
 2. Click on the Polymath link in the second paragraph
 3. Click on here for Tutorials
 4. Click on Ordinary Differential Equation Solver for part (a) and Nonlinear Equation Solver for (b)
7. P2-3_A (a) Chapter 2: Record your learning style according to the Solomon/Felder inventory at <http://www.engr.ncsu.edu/learningstyles/ilsweb.html>
 - A. Global/Sequential _____
 - B. Active/Reflective _____
 - C. Visual/Verbal _____
 - D. Sensing/Intuitive _____
 - E. Read Appendix H.2 in the textbook and Suggest ways for each (A through D) to use the DVD and web to facilitate your learning styles. Also go to the links at the end of the Chapter 2 Summary Notes. Go to <http://www.engin.umich.edu/~cre/asyLearn/itresources.htm>
8. Go to the CRE Essentials web home page (www.umich.edu/~essen) click on “typos” and then correct on the typos in chapters 1 and 2.