Engin 103
Spring '07
Meeting #1 –Jan 30, 2007

General course introduction:

http://www.faculty.umb.edu/tomas_materdey/103s07

Objectives: immersion experience as engineers through hands-on activities; introduction to engineering disciplines; difference between engineering and science; skills that can be applied across disciplines: teamwork, data modeling, estimation, LabVIEW, etc. This course is relevant to all disciplines.

Background preparation: some basic algebra at the level of polynomial and exponential functions.

Method: Active-learning approach. Conclusions, new learning from class activities (including class-work and teamwork), and projects discussions and progress should be recorded in the logbook, of great importance in this course. An example of good logbook was shown. Pages should be numbered. Everything recorded including things that did not work. Questions included in the class notes (under the Dates & Notes column in e-syllabus) will help guide what to write in the logbook. Homework will be turned in separately from the logbook. Help received and other people's work to be cited, in homework and project documentations. Perfect attendance is required, any absence needs to be justified. No grade assigned if a member is late or missing during team presentation. There will be 8 team presentations during the semester. Dates have been posted on the electronic syllabus.

Grades: based on 4 team projects (60%), in-class and homework (5%+15%), and Engin 103 logbook and final exam based on logbook (20%).

Required items: an active email account, a quadrille notebook for the Engin 103 logbook, a storage media (memory stick or CDRW or box of floppies), and the two textbooks listed on the course website.

Teams: you have been assigned into a team of 4 members, please check the course website for team member information.

Extra credits: help your classmates by answering questions regarding class-works and other activities done in-class. Sign-up sheets will be available.

Students were assigned into 10 teams of 4 students each, each team has been assigned an engineering branch for Project 0. See Project 0 link on the e-syllabus page.

Items due next class (Feb 1, 2007)

-Individual research on the assigned engineering discipline according to Project 0 under the E-syllabus link

-Getting logbook

-Getting textbooks from Campus Center Bookstore, www.efollet.com, or elsewhere.