

Engin 103
Fall '06
Meeting #1 –Sept 5, 2006

General course introduction:

http://www.faculty.umb.edu/tomas_materdey/103f06

Objectives: immersion experience as engineers in training; introduction to engineering disciplines; difference between engineering and science; skills that can be applied across disciplines: teamwork, data modeling, estimation, LabVIEW, etc.

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), projects discussions 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 do 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.

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. 1% of course grade per meeting, up to maximum of 10%.

Items due next class (Sept 7, 2006)

- 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.