Department of Chemical Engineering
University of California, Santa Barbara
Ch.E. 152B

Course Outline

Instructor: D.E. Seborg, Room 3335

Teaching Assistant: Ben Juricek, office hours: TBA


Grade Distribution

Home Problems............................ 10%
Computer Assignments............. 15%
Project ........................................ 15%
Quiz ............................................. 20%
Final Exam................................. 40%

Course Topics & Number of Lectures

Control System Design: Frequency Domain (3)
Feedforward Control (2)
Advanced Control Strategies (4)
Multivariable Control Problems (6)
Sampling and Filtering of Noisy Data (2)
Model Predictive Control (3)
On-line Optimization (4)
The Art of Process Control (3)