Tentative Schedule of Topics and Presentations

Date			Topic
W	Jan	18	Introduction to the process Mathematical Modeling
F	Jan	20	Case Study: Bacterial Growth in a Chemostat
M	Jan	23	Nondimensionalization
W	Jan	25	Nondimensionalization (continued)
F	Jan	27	Problems
M	Jan	30	Case Study: Modeling Traffic Flows
W	Feb	1	Traffic flow models (continued)
W	Feb	3	Problems
M	Feb	6	Case Study: Queuing Theory
W	Feb	8	Probability and stochastic models
W	Feb	10	Probability and stochastic models (continued)
M	Feb	13	Probability and stochastic models (continued)
W	Feb	15	Probability and stochastic models (continued)
W	Feb	17	Problems
M	Feb	20	Problems
W	Feb	22	Review
W	Feb	24	**Exam 1**
M	Feb	27	Case Study: An Optimization Problem
W	Feb	29	Linear programming
F	Mar	2	Problems
M	Mar	5	Linear programming (continued)
W	Mar	7	Linear programming
F	Mar	9	Problems
M	Mar	12	Spring Recess!
W	Mar	14	Spring Recess!
F	Mar	16	Spring Recess!
M	Mar	19	Case Study: Testing a Model
W	Mar	21	Model fitting and parameter estimation
F	Mar	23	Problems

M	Mar	26	Review
W	Mar	28	**Exam 2**
F	Mar	30	*Cesar Chavez Day (no class)*
M	Apr	2	Modeling Project
W	Apr	4	Modeling Project
F	Apr	6	Modeling Project
M	Apr	9	Modeling Project Presentations
W	Apr	11	Modeling Project Presentations
F	Apr	13	
M	Apr	16	Modeling Project Presentations
W	Apr	18	Modeling Project Presentations
F	Apr	19	Modeling Project Presentations
M	Apr	23	Modeling Project Presentations
W	Apr	25	Modeling Project Presentations
F	Apr	27	
M	Apr	30	Modeling Project Presentations
W	May	2	Modeling Project Presentations