Mathematical Modeling Fall 2016
Draft Set of Topics - Subject to Change

MON	WED	FRI
Aug 29 (No Classes)	Aug 31 Intro	Sep 02 Linear Systems (Ch 7, DEs)
Sep 05 Linear Systems	Sep 07 Linear Systems HW Set 1 Due	Sep 09 Linear Systems
Sep 12 Nonlinear Systems (Ch 9, DEs)	Sep 14 Nonlinear Systems HW Set 2 Due	Sep 16 Nonlinear Systems
Sep 19 Discrete Models (Ch 6, M250)	Sep 21 Discrete Models HW Set 3 Due	Sep 23 Discrete Models
Sep 26 Discrete Models	Sep 28 Catch up/Review	Sep 30 **Exam 1**
Oct 03 The n armed bandit	Oct 05 The n armed bandit HW Set 4 Due	Oct 07 No Classes
Oct 10 Stats	Oct 12 Genetic Algorithms HW Set 5 Due	Oct 14 Genetic Algorithms
Oct 17 Genetic Algorithms	Oct 19 Data Representations Midsemester HW Set 6	Oct 21 Data Representations
Oct 24 The best basis	Oct 26 The best basis HW Set 7 Due	Oct 28 Data clustering
Oct 31 Data clustering	Nov 02 Data clustering HW Set 8	Nov 04 Data clustering
Nov 07 Review/Catch up	Nov 09 **EXAM 2**	Nov 11 Linear Nets
Nov 14 Linear Nets	Nov 16 Linear Nets HW Set 9	Nov 18 Linear Nets
Thanksgiving Break		
Nov 28 Neural Nets	Nov 30 Neural Nets HW Set 10	Dec 02 Neural Nets
Dec 05 Neural Nets	Dec 07 Neural Nets	Dec 09 Neural Nets HW Set 11

The final exam will is currently scheduled for Friday of Finals Week. We will most likely have a take-home exam for the final exam, and we will discuss it right after break.