Mathematical Modeling Fall 2018

Draft Set of Topics - Subject to Change

MON	WED	FRI
Aug 27 (No Classes)	Aug 29 Intro	Aug 31 Matlab/Stats
Sep 03 Stats/RL	Sep 05 Rein Learn	Sep 07 Rein Learn
Sep 10 Stats/Proj	Sep 12 Lin Reg	Sep 14 k-NN
Sep 17 Dec Tree	Sep 19 Dec Tree	Sep 21 GA
Sep 24 GA	Sep 26 Catch up/Review	Sep 28 **Exam 1**
Oct 01 Lin Alg	Oct 03 Lin Alg	Oct 05 No Classes
Oct 08 SVD	Oct 10 Efaces	Oct 12 k-means
Oct 15 k-means	Oct 17 SOM	Oct 19 SOM
Oct 22 Neural Gas	Oct 24 Neural Gas	Oct 26 Optimization
Oct 29 Optimization	Oct 31 Linear Nets	Nov 02 Linear Nets
Nov 05 RBFs	Nov 07 Review/Catch up	Nov 09 **Exam 2**
Nov 14 RBF	Nov 16 RBF	Nov 18 RBF
Thanksgiving Break		
Nov 26 Neural Nets	Nov 28 Neural Nets	Nov 30 Neural Nets
Dec 03 Autoencoders	Dec 05 Autoencoders	Dec 07 Review

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.