

# Schedule

*NRES 746*

*Fall 2019*

## Schedule

Note: this schedule is subject to change. Please check for updates frequently!

Week	Lecture.1	Lecture.2	Lab
Aug. 26	Course Introduction	Algorithms	Lab #1: Program
Sept. 2	NA (labor day)	Probability	Lab #1: Program
Sept. 9	The Virtual Ecologist	The Virtual Ecologist	Final project #1
Sept. 16	Likelihood	Likelihood	Lab #2: “Virtua
Sept. 23	Likelihood	Optimization	Lab #2: “Virtua
Sept. 30	Optimization	Bayesian inference	Final project #2
Oct. 7	Bayesian inference	Markov Chain Monte Carlo (MCMC)	Lab #3: Maximu
Oct. 14	Markov Chain Monte Carlo (MCMC)	Model selection and multi-model inference	Lab #3: Maximu
Oct. 21	Model selection and multi-model inference	Model validation and performance evaluation	Final project #3
Oct. 28	Model validation and performance evaluation	Random Forest	Lab #4: Bayesia
Nov. 4	TBD	TBD	Lab #4: Bayesia
Nov. 11	NA (veteran’s day)	TBD	Final project #4
Nov. 18	TBD	TBD	Optional: Model
Nov. 25	TBD	TBD	Final project #5
Dec. 2	TBD	TBD	Complete “mini-
Dec. 9	Class wrap-up	NA (prep day)	Final project pre
Dec. 18	NA (classes over)	NA	NA