

# **BIOL 740 Phylogenetic systematics**

## Topics

Week	Topic
1	Introduction, orientation, and setting up
2	Phylogenetic trees
3	Phylogenetic inference
4	Phylogenetic tree space
5	Probability and likelihoods
6	The phylogenetic likelihood
7	Phylogenetic character models
8	<i>Mid-course review and feedback</i>
9	Bayesian statistics
10	Bayesian phylogenetic statistics
11	<i>SPRING BREAK</i>
12	Bayesian phylogenetic analysis
13	Species tree estimation
14	Divergence time estimation
15	Diversification rate estimation
16	Trait evolution

The full schedule can be seen [here](#).