

## **BIOL 740 Phylogenetic systematics**

## Topics

Week	Dates	Topic
1	Jan 19 – Jan 23	Introduction, orientation, and setting up
2	Jan 26 – Jan 30	Phylogenetic trees
3	Feb 02 – Feb 06	Phylogenetic inference
4	Feb 09 – Feb 13	Phylogenetic tree space
5	Feb 16 – Feb 20	Probability and likelihoods
6	Feb 23 – Feb 27	The phylogenetic likelihood
7	Mar 02 – Mar 06	Phylogenetic character models
8	Mar 09 – Mar 13	
9	Mar 16 – Mar 20	Bayesian statistics
10	Mar 23 – Mar 27	Bayesian phylogenetic statistics
11	Mar 30 – Apr 03	<i>SPRING BREAK</i>
12	Apr 06 – Apr 10	Bayesian phylogenetic analysis
13	Apr 13 – Apr 17	Species tree estimation
14	Apr 20 – Apr 24	Divergence time estimation
15	Apr 27 – May 01	Diversification rate estimation
16	May 04 – May 08	Trait evolution

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