Updated Schedule:

Tuesday (Lecture)	Reading	Thursday (Lab)
Week 1 (LK) Intro to phylogenetics, The parsimony criterion	Ch. 1-3, 9	Analysis using parsimony in PAUP*
Week 2 (DP) Evolutionary models, Maximum likelihood	Ch. 13, 14, 16, 19	Using ModelTest for model selection
Week 3 No formal lecture/lab		**Project ideas due**
Week 4 (LK) **Guest speaker: Dr. Elizabeth Housworth** Algorithms for finding optimal trees	Ch. 4-5	ML analysis using GARLI
Week 5 (DP) Bayesian phylogenetics	Ch. 18	MrBayes
Week 6 (DP) Alignment **Guest speaker: Dr. Rasmus Hovmoller**	Ch. 29	Alignment software (Rasmus Hovmoller)
Week 7 (LK) Coalescent theory	Ch. 26-28	Coalescent simulation: COAL, ms
Week 8 (DP) Inferring species trees	Ch. 28	BEST
Week 9 (LK) **Guest speaker: Dr. Julia Chifman** Phylogenetic comparative methods	Ch. 23-25	R software for comparative method
Week 10 Student presentations		Student presentations