Dates	Class topic	Assignments due
	Motivation and review	
1/31/17	Class overview	
2/2/17	Statistics review	
	Module 1: Association studies	
2/7/17	Introduction to association studies	Journal: 2/6 8:00PM
2/9/17	Statistical methods for association studies and simulation experiments	Journal: 2/12 11:59PM
2/14/17		
2/16/17	Association studies: wrap-up	Journal: 2/19 11:59PM Final project milestone 1: 2/19 11:59PM
	Module 2: Causal Inference	
2/21/17	Fundamental ideas in causal inference	
2/23/17	Study designs in causal inference	Journal: 2/26 11:59PM
	Module 3: Survey Analysis	
2/28/17	Introduction to survey methods	Journal: 2/27 8:00PM
3/2/17	Statistical methods for survey analysis and simulation experiments	Journal: 3/5 11:59PM
3/7/17		
3/9/17	Survey analysis: wrap-up	Journal: 3/12 11:59PM
	Module 4: Miscellaneous topics	
3/14/17	Missing data, imputation, clustering, networks	
3/16/17		Journal: 3/19 11:59PM Final project milestone 2: 3/19 11:59PM
Spring Break: 3/20/17-3/26/17		
	Module 5: Survival Analysis	
3/28/17	Introduction to survival studies	Journal: 3/27 8:00PM
3/30/17	Statistical methods for survival analysis and simulation experiments	Journal: 4/2 11:59PM
4/4/17		
4/6/17	Survival analysis: wrap-up	Journal: 4/9 11:59PM
	Module 6: High-Throughput Biology	
4/11/17	Introduction to high-throughput technologies	Journal: 4/10 8:00PM
4/13/17	Statistical methods in high-throughput biology and simulation experiments	Journal: 4/16 11:59PM Final project milestone 3: 4/16 11:59PM
4/18/17		
4/20/17	High-throughput biology: wrap-up	Journal: 4/23 11:59PM
	Module 7: Bayesian Statistics	
4/25/17	Paradigm shift and fundamental ideas	
4/27/17	Applications	Journal: 4/30 11:59PM
	Final presentations	
5/2/17	Presentations: day 1	
5/4/17	Presentations: day 2	
Final project paper due Wednesday, 5/17 5PM		