Course timeline (subject to change)

Assignments are due by the beginning of the next meeting unless indicated otherwise. For assignments, R Notebooks must be submitted through Blackboard as HTML files but with a txt extension.

Week	Date	Topic	Notes	Assignments
1	6/3	R Programming Fundamentals R Programming / Exploring Data with Graphs and Numerical Summaries	Module1 – Module 2	Lab1 and Lab 2
2	6/10	Associations between Variables	Module 3	Lab 3
3	6/17	Advanced R Programming Concepts **Review / Exam I**		
4	6/24	Basic Concepts in Probability and Probability Distributions; Normal Distribution	Module 4	Lab 4 (collected) and Lab 5 (not collected)
5	7/8	Statistical Inference	Module 5 (Significance Tests, Significance Tests about Proportions, Decisions and Errors)	Lab 6
6	7/15			
7	7/22	**Review / Exam II**		
8		Gene Expression and Microarrays, Downloading and Normalization of Gene Expression Data		
9		Identification of Differentially Expressed Genes		
10		Heatmaps and Classification		
11		Functional and Gene Set Enrichment Analysis		
12		Final Projects and Advanced Topics		
13		**Review / Exam III**		