

Date	Lecture	Note	Topic	Chapter	Material	HW due
Monday, January 30, 2017	1		Intro lecture	Intro-1	IntroLecture	
Wednesday, February 1, 2017	2		Basic mol bio, data types, stochastic processes	Intro-2,3,4	CentralDogma; board	
Monday, February 6, 2017	3		Genotype & Phenotype	Med-1	GV,VAD	
Wednesday, February 8, 2017	4	TA	Hypothesis testing	Meth-1	board	
Monday, February 13, 2017	5		Hypothesis testing	Meth-1	board	
Wednesday, February 15, 2017	6		Tests of genetic association	App-1.1	board	HW 1A
Monday, February 20, 2017	7		Tests of differential expression and enrichment	App-1.2,1.3	slides	
Wednesday, February 22, 2017	8		Cancer biology, statistical learning	Med-2	CancerBiology	
Monday, February 27, 2017	9	TA	Statistical learning	Meth-2	board	
Wednesday, March 1, 2017	10		Statistical learning	Meth-2	board	HW 1B
Monday, March 6, 2017	11		Statistical learning	Meth-2	board	
Wednesday, March 8, 2017	12		Cancer driver mutations, tumor sub-types	App-2	slides	HW2
Monday, March 13, 2017	13		Cancer prognosis, tumor site of origin	App-2	slides	
Wednesday, March 15, 2017	14		Markov chains	Meth-3	board	
Monday, March 20, 2017		Break				
Wednesday, March 22, 2017		Break				
Monday, March 27, 2017		Midterm				
Wednesday, March 29, 2017	15		Markov chains	Meth-3	board	
Monday, April 3, 2017	16		Galton-Watson model	Meth-3	board	
Wednesday, April 5, 2017	17		Tumorigenesis	App-3.1	board	
Monday, April 10, 2017	18	TA	Tumorigenesis	App-3.1	slides	
Wednesday, April 12, 2017	19	TA	Epigenetic variation	App-3.2	slides	
Monday, April 17, 2017	20	TA	Discussion of HW4			
Wednesday, April 19, 2017	21		Graphical models	Meth-4	board	
Monday, April 24, 2017	22		Graphical models	Meth-4	board	
Wednesday, April 26, 2017	23		Hidden Markov models	Meth-4	GA	
Monday, May 1, 2017	24		Loss of heterozygosity	App-4.1	LOH CNV	
Wednesday, May 3, 2017	25		Signaling networks	App-4.2	CellSignaling	
Tuesday, May 16, 2017, 2-5 PM		Final				