Date	Session	Instructor	Topic	Reading (MBoC)
			Nucleic Acids	
8/25	1	Akula/Geyer	Introduction	Chapter 1
8/27	2	Pechous	DNA & Chromosomes	Chapter 4
8/29	3	Pechous	Organization of Prokaryotic & Eukaryotic Genomes	Chapter 4
9/1			LABOR DAY (NO CLASS)	
9/3	4	Pechous	DNA replication – Prokaryotes & Eukaryotes	Chapter 5
9/5	5	Motaleb	DNA Repair & Recombination	Chapter 5
9/8	6	Lemasson	Principles of Transcription	Chapter 5
9/10	7	Motaleb	Transcription initiation I – Prokaryotes	Chapter 6
9/12	8	Lemasson	Transcription initiation II – Eukaryotes	Chapter 6
9/15	9	Lemasson	Post-transcriptional Events and Anatomy of mRNAs	Chapter 6
9/17	10		Review Session – Exam 1	
9/19	11		Exam 1	
			Transcription Regulation, Epigenetics, Genetics, & Recombinant DNA	
9/22	12	Motaleb	Control over Gene Transcription I – Prokaryotes	Chapter 6
9/24	13	Geyer	Control over Gene Transcription II – Eukaryotes	Chapter 6
9/26	14	Geyer	Epigenetics I – DNA Methylation	Chapter 7
9/29	15	Geyer	Epigenetics II – Histone Modifications	Chapter 7
10/1	16	Geyer	Principles of Genetics I	
10/3	17	Geyer	Principles of Genetics II	
10/6	18	Ratliff	Recombinant DNA Technology I	Chapter 8
10/8	19	Ratliff	Recombinant DNA Technology II	Chapter 8
10/10	20		Review Session – Exam 2	
10/13			COLUMBUS DAY (NO CLASS)	
10/15	21		Exam 2	
			Protein Synthesis, Cell Signaling, & Cell Cycle	
10/17	22	Geyer	Translation I – Initiation	Chapter 6
10/20	23	Geyer	Translation II – Elongation & Termination	Chapter 6
10/22	24	Didonna	Protein Sorting & Degradation	Chapter 12
10/24	25	Akula	Principles of Cell Signaling	Chapter 15
10/27	26	Geyer	Nuclear Hormone Receptors	Chapter 15
10/29	27	Meher	Signaling through Extracellular Receptors	Chapter 15
10/31	28	Akula	Cell Cycle I	Chapter 18
11/3	29	Akula	Cell Cycle II	Chapter 18
11/5	30		Review Session – Exam 3	
11/7	31		Exam 3	
			Cellular Organization & Death	
11/10	32	Didonna	Membrane Structure	Chapter 10
11/12	33	Didonna	Intracellular Compartments I	Chapter 12
11/14	34	Didonna	Intracellular Compartments II	Chapter 12
11/17	35	Litwa	Membrane Transport	Chapter 11
11/19	36	Litwa	Cellular Transport	Chapter 12
11/21	37	Litwa	Cytoskeleton	Chapter 16
11/24	38	Meher	Cell Death	Chapter 18
11/26			THANKSGIVING DAY (no class till 11/30)	
12/1	39	Meher	The Innate and Adaptive immune Systems	Chapter 24
12/3	40		Review Session – Exam 4	
12/5	41		Exam 4	