

7.012 Fall 2010 Syllabus

(Readings approximately follow lecture material. They are not substitute for lecture).

(You will need to access some pages using the ebook access card associated with the paperback copy of the textbook).

	Date	#	Topic	Reading in Campbell <i>et al</i>	Work book practice problems
W	8-Sept	1	Introduction	1-20	
F	10-Sept	2	Biochemistry 1	30-41, 92-109	83-94, 111 - 116
M	13-Sept	3	Biochemistry 2	68-89, 125-131	117 - 120 183-188
W	15-Sept	4	Biochemistry 3	142-159	120-130
F	17-Sept	5	Biochemistry 4	162-181	
M	20-Sept	6	Genetics 1	347-348, 262-273, 288, 292-294	173-179, 187-194
W	22-Sept	7	Genetics 2	228—237, 253-260	55 -67
F	24-Sept	8	Genetics 3	276-280	21-28, 44-52
M	27-Sept	9	Genetics 4	273-275	
W	29-Sept	10	Molecular Biology 1	305-320	
F	1-Oct	11	Molecular Biology 2	325-336	173-179, 187-194
M	4-Oct	12	Molecular Biology 3	337-341	195-200
W	6-Oct	13	Protein localization	342-343	55-67
F	8-Oct		EXAM 1 (Lectures 1-11)		
M	11-Oct		COLUMBUS DAY		
W	13-Oct	14	Recombinant DNA 1	396-422	
F	15-Oct	15	Recombinant DNA 2		
M	18-Oct	16	Recombinant DNA 3		
W	20-Oct	17	Recombinant DNA 4		
F	22-Oct	18	Genomics	426-436, 364-366	
M	25-Oct	19	Receptors and Signaling	206-224	
W	27-Oct	20	Viruses	381-393	
F	29-Oct	21	Cancer Viruses & Cancer	224-225, 373-377, 346, 950-951, 242-243	
M	1-Nov		EXAM II (Lectures 11-20)		
W	3-Nov	22	Cancer 1	224-225, 373-377, 346, 950-951, 242-243	
F	5-Nov	23	Cancer 2		
M	8-Nov	24	Development 1	1021-1043	
W	10-Nov	25	Development 2		
F	12-Nov	26	Neurobiology 1	1047-1061	
M	15-Nov	27	Neurobiology 2		
W	17-Nov	28	Neurobiology 3	1079-1080, 1125-1128	
F	19-Nov	29	Immunology 1	930-954	
M	22-Nov		EXAM III (Lectures 21-29)		
W	24-Nov	30	Immunology 2	930-954	
F	26-Nov		THANKSGIVING		
M	29-Nov	31	Immunology 3	930-954	
W	1-Dec	32	Molecular Medicine 1: FH	913-915	
F	3-Dec	33	HIV	949-951	
M	6-Dec	34	Molecular Medicine 2	www.advancesinoncology.com/cancer/cml- gleevec.asp	
W	8-Dec	35	Molecular Evolution	http://www.genomicseducation.ca/informat ionArticles/society/genomics_race.asp	