

BIOL 2104 CRN 90731

Class	Date	Topic	Relevant text	Writing assignments
1	Tues, Jan 20	Welcome, introductions, overview, in class writing assignment	1-5, 11-26	#1 in class
2	Thur, Jan 22	Tools in cell and molecular biology - microscopy and biochemistry	5-11, 60-61, 160-161	
3	Tues, Jan 27	Model organisms in cell and molecular biology/ discussion-which, why and how many?	27-34 + handout	#2 due today
4	Thur, Jan 29	Building blocks of cell biology-nucleic acids, amino acids, enzymes	169-187, 119-142	
5	Tues, Feb 3	continued/ discussion-biology is chemistry is physics is math?	91-102	
6	Thur, Feb 5	DNA replication, transcription, translation, protein processing	195-208, 229-258	
7	Tues, Feb 10	continued		
8	Thur, Feb 12	continued/ discussion - representations		#3 due today
9	Tues, Feb 17	EXAM 1		
10	Thur, Feb 19	The early molecular biologists - / discussion - data and credit	handout	#4 due today
11	Tues, Feb 24	Molecular biology techniques I	327-364	
12	Thur, Feb 26	Molecular biology techniques II		
13	Tues, Mar 2	The human genome project/ discussion - private vs. public effort, implications of HGP	handout	#5 in class
14	Thur, Mar 4	SPRING BREAK HGP continued/ discussion - metaphors in HGP		#6 due today
15	Tues, Mar 16	Scientists and the scientific conference- dayna - discussion-What are these people like?		#7 due today
16	Thur, Mar 18	EXAM 2		
17	Tues, Mar 23	Membranes/the plasma membrane	365-410	
18	Thur, Mar 25	The nucleus	handout	
19	Tues, Mar 30	Endomembrane domain (ER/Golgi)	497-531	
20	Thur, Apr 1	Mitochondria and chloroplasts	453-477	
21	Tues, Apr 6	Cytoskeleton	573-600	
22	Thur, Apr 8	discussion - Representation exercise		#8 due today
23	Tues, Apr 13	EXAM 3		
24	Thur, Apr 15	Hallmarks of Cancer	handout	
25	Tues, Apr 20	Self-sufficiency in growth and anti-growth signals	533-540, 552, 612-625	#9 in class
26	Thur, Apr 22	continued		
27	Tues, Apr 27	Angiogenesis and metastasis/ discussion-thalidomide- the politics of a cancer drug	703-714	
28	Thur, Apr 29	Telomeres and stem cells/ discussion - politics and ethics of human stem cell research	721-726	#10 due today
29	Tues, May 4	Genomic instability and apoptosis	625-628	#11 due today
30	Sat, May 8	EXAM 4 7:45-9:45 AM		