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BIMM 100 Fall 2022 – Syllabus

DATE[1]	LECTURE	TOPIC	HW[2]	PAGES[3]
22-SEPT	1	An Overview & DNA Structure		1-11, 44-49, 177-185
27-SEPT	2	Genes & Mobile DNA		277-289, 289-300
29-SEPT	3	Chromatin & Chromosomes	1-HW	300-322, 372-376
4-OCT	4	DNA Replication & Telomerase		185-190, 319-321
6-OCT	5	PCR & DNA Repair	2-HW	242-244, 190-199
11-OCT	6	Basic Transcription & Gene Expression in Prokaryotes		199-202, 12-14
13-OCT	7	Control of Gene Expression in Eukaryotes (Pol II)	3-HW	323-336, 340-343
18-OCT	8	Activators, Repressors & Transcription Initiation (Pol II)		336-340, 343-344, 335-336
20-OCT	9	Regulation of Transcription Factor Activity (Pol II)	4-HW	345-371
25-OCT		**MIDTERM EXAM** ONLINE, 2:00-3:20PM, PT		
27-OCT	10	Transcription by Pol I and Pol III & Maturation of the products		380-382, 431-438
1-NOV	11	mRNA Processing & Export		202-205, 384-412, 412-415
3-NOV	12	Translation	5-HW	205-218
8-NOV	13	Post-transcriptional Control of Gene Expression		411, 417-419, 422-431
10-NOV	14	Non-coding RNAs & Genome Editing	6-HW	419-422, 272-275, 269-275
15-NOV	15	Recombinant DNA Methods		237-248, 264-268
17-NOV	16	Genomics	7-HW	248-253, 261-264
22-NOV	17	Viruses		219-224, 415-416
24-NOV		**NO CLASS THANKSGIVING BREAK**		
29-NOV	18	Cancer	8-HW	1149-1183
1-DEC	19	Review		
8-DEC		**FINAL EXAM** ONLINE, 3-6PM, PT		

[1]DATE - Classes are on Tues and Thurs from 2:00-3:20PM, PT, in PETER 110
[2]HOME WORK (HW) – Due 2PM the following day for Extra Credit
[3]PAGES - In the text "Molecular Cell Biology, 9th Edition," Lodish et al., 2021