

Class	Date	Module	Topic	Instructor	Hwk out	Hwk due	
1	Aug 22, (Mon)	Genes, Genetics, and Gene Interactions	Introduction/meiosis	Ellis	1		
2	Aug 24, (Wed)		Complementation/epistasis	Ellis			
3	Aug 26, (Fri)		Mutation	Maggert	2		
4	Aug 29, (Mon)		Allelomorphy	Maggert		1	
5	Aug 31, (Wed)		Suppressor/synthetic lethal	Maggert			
6	Sep 2, (Fri)	Recombination and Repair	Gene conversion I	Ellis	3		
	Sep 5, (Mon)		Labor Day				
7	Sep 7, (Wed)		Gene conversion II	Ellis		2	
8	Sep 9, (Fri)		Double strand break repair	Ellis	4		
9	Sep 12, (Mon)		Synthesis-dependent strand	Ellis		3	
10	Sep 14, (Wed)		Modern mad meiosis	Ellis			
11	Sep 16, (Fri)		VDJ rearrangement	Ellis	5		
12	Sep 19, (Mon)		Somatic hyper-rec/class switch	Ellis		4	
13	Sep 21, (Wed)		Developmental Genetics	Yeast mating types	Maggert		
14	Sep 23, (Fri)			Sex determination flies & worms	Maggert	6	
15	Sep 26, (Mon)	Sex determination in human I		Ellis		5	
16	Sep 28, (Wed)	Sex determination in human II		Ellis			
17	Sep 30, (Fri)	Dosage compensation		Maggert	7		
18	Oct 3, (Mon)	X chromosome inactivation I		Ellis		6	
19	Oct 5, (Wed)	X chromosome inactivation II		Ellis			
20	Oct 7, (Fri)	Tissue and temporal I		Maggert	8		
21	Oct 10, (Mon)	Tissue and temporal II		Maggert		7	
22	Oct 12, (Wed)	Enhancer traps/mosaics		Maggert			
23	Oct 14, (Fri)	Robustness/canalization/buffering	Maggert	9			
24	Oct 17, (Mon)	Blitz	Ellis		8		
25	Oct 19, (Wed)	Chromosome Mechanics	Chromosome structure	Maggert			
26	Oct 21, (Fri)		Mitotic segregation	Maggert	10		
27	Oct 24, (Mon)		Aberrations	Maggert		9	
28	Oct 26, (Wed)		Segmental aneuploidy, Balancers	Maggert			
29	Oct 28, (Fri)		Inverse Dose	Maggert	11		
30	Oct 31, (Mon)		Aneuploidy	Maggert		10	
31	Nov 2, (Wed)		Telomeres	Ellis			
32	Nov 4, (Fri)		Telomeres	Ellis	12		
33	Nov 7, (Mon)		Telomeres	Ellis			
34	Nov 9, (Wed)		Blitz	Maggert		11	
	Nov 11, (Fri)	Veterans Day					
35	Nov 14, (Mon)	Population Genetics	Intro to human pop genetics	Ellis	Final		
36	Nov 16, (Wed)		Inbreeding and parental relatedness	Ellis			
37	Nov 18, (Fri)		Somatic cell mosaicism	Ellis			
38	Nov 21, (Mon)		Somatic mutations I	Ellis		12	
39	Nov 23, (Wed)		Somatic mutations II	Ellis			
	Nov 25, (Fri)	Thanksgiving Recess					
40	Nov 28, (Mon)	Transposons and Satellites	Transposable elements I	Maggert			
41	Nov 30, (Wed)		Transposable elements II	Maggert			
42	Dec 2, (Fri)		Transposable element regulation	Maggert			
43	Dec 5, (Mon)		Heterochromatin	Maggert			
44	Dec 7, (Wed)		Position effect variegation	Maggert			
	Dec 9, (Fri)					Final	
				22 Ellis	22 Maggert		