Tentative schedule of lectures and labs
Lectures: Tu/Th 4:00-5:15pm, Bishop Hall, Room 209, Auditorium
Labs: Mondays and Tuesdays

	Date	Lecture	Lab (Mondays)
1	Jan. 22	Introduction, Survey, Meiosis, Theory of inheritance	No Lab
2	Jan. 24	Meiosis, Mendel, Independent assortment	
3	Jan. 29	Genes on DNA, Chi-squared,	Yeast Evolution-Start
4	Jan. 31	Modifications: X-linked, Dominance, Mitochondrial, Maternal, Penetrance, expressivity	
5	Feb. 5	Location of genes: Linkage	Fly lab week 1
6	Feb. 7	Location of genes: Linkage, Recombination	
7	Feb. 12	Complementation, epistasis,	Fly lab week 2
8	Feb. 14	Complementation, epistasis	
9	Feb. 19	Genetic code, Mutations how they're made	Fly lab week 3
	Feb. 21	Midterm	
10	Feb. 26	Mutations types	Yeast -Midpoint assessment
11	Feb. 28	Genome: Mapping, polymorphism, Sanger, NGS	
12	Mar. 5	Population/Evolution genetics (Chaz Hyseni)	Population Genetics
13	Mar. 7	Human genetics-Pedigrees	
	Mar. 12	Spring Break	
	Mar. 14	Spring Break	
14	Mar. 19	Human genetics- GWAS	Pick a Bug week 1
15	Mar. 21	Methodology: Forward Genetics	
16	Mar. 26	Methodology: Forward Genetics	Pick a Bug week 2
17	Mar. 28	Methodology: Reverse Genetics	
18	Apr. 2	Methodology: Reverse Genetics	Pick a Bug week 3
19	Apr. 4	Methodology: Reverse Genetics	
	Apr. 9	Midterm	Journal Article-1
20	Apr. 11	Gene-regulation: Prokaroytes	
21	Apr. 16	Gene-regulation: Eukaryotes	Yeast – endpoint assessment - 1
22	Apr. 18	Gene-regualtion: Non-coding regions	
23	Apr. 23	Gene-regulation: Non-coding regions	Yeast- endpoint assessment - 2
24	Apr. 25	Case-studies: Cancer	
25	Apr. 30	Case-studies: Developmental Biology	Article Critique (Presentations)
26	May 2	Case-studies: Aging	
Final	May 8, 4pm		