

Tentative course outline				
Date	Topic	Chap	Readings	Laboratory
January 10	Introduction to E&E; HIV example	Freeman & Herron Ch.1	Dawkins- The replicators	
15	Science; History of evolutionary thought		Park- The belief gene	1. Begin Drosophila experiment, establish colonies
17	Darwin himself			
22	Evidence for evolution	Ch.2	Gould- Evolution as fact and theory	2. Hardy-Weinberg lab
24	Natural Selection	Ch.3	Gould- Irish elk	
29	Post-Darwin			3. Drosophila- apply first treatment, collect data
31	The Modern Synthesis			
February 5	Models of evolutionary change	Ch 4		4. Begin Brassica experiment- plant
7	more models	Ch 5		
12	still more models	Ch 6		5. Drosophila- treat, count, re-establish Brassica- treat and measure
14	1 st Lecture exam			Brassica- treat
19	Ecology: What is it.	Molles Ch.1		6. Brassica- treat and measure
21	Life on land	Ch.2		Brassica- treat
26	Life in water	Ch.3		7. Drosophila- treat, count, re-establish Brassica- treat and measure
28	Ecology of individuals	Ch. 4-7	Scientific American: Reichert on spiders	Brassica- treat
March 5	more on individuals			8. Brassica- treat

7	more on individuals			Brassica- treat
11-15	Spring Break			
19	more on individuals			9. Drosophila- treat, count, re-establish Brassica- harvest and weigh seeds
21	2nd Lecture exam			
26	Ecology of populations	Ch. 8-12	Scientific American: Bergelson on weeds	10. Finish Brassica Excel lab: data analysis, graphing
28	more on populations			
April 2	more on populations		Petrie- selection in peacocks	11. Drosophila- treat, count, re-establish
4	Ecological interactions	Ch. 13- 15		
9	more on interactions		Scientific American: Gould on crop pests	12. Analyze Drosophila data
11	Masters Break/ SCAS			
16	more on interacxtions			13. Brassica reports
18	3rd Lecture exam			
23	Abundance and diversity	Ch. 16	Scientific American: Vitousek on invasions	14. Drosophila reports
25	Food webs	Ch. 17		
May 2	Final exam- 11:00am			