

	GENE/BIOL 3000 Evolutionary Biology, Fall Semester, 2010			
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	Date	Topic	Reading	Problems for Discussion
WA	Tu, 17-Aug	Variation and Its Genetic Basis	Ch 1 & 2	1-4, 1-8, 2-2, 2-10
WA	Th, 19-Aug	More on Variation	Ch 5	5-5, 5-8, 5-15
WA	Tu, 24-Aug	Random Mating	Ch 6.1	6-1, 6-2, 6-5, 6-6
WA	Th, 26-Aug	Inbreeding and Mating Systems	Ch 7.4, 7.5	7-3, 7-12
WA	Tu, 31-Aug	Complex Traits	Ch 9	9-1, 9-4, 9-5, 9.6
WA	Th, 2-Sep	Evolution - Creation Issue	Ch 2.4 & 3.7	2-2, 2-5, 3-8, 3-12
WA	Tu, 7-Sep	EXAM 1		
WA	Th, 9-Sep	Gene Flow	Ch 7.1	7-1, 7-2, 7-13
WA	Tu, 14-Sep	Genetic Drift	Ch 7.2	7-4, 7-5, 7-6
WA	Th, 16-Sep	Neutral Mutations and Molecular Evolution	Ch 7.3	
WA	Tu, 21-Sep	Natural Selection 1	Ch 3 & 6	6-6, 6-9
WA	Th, 23-Sep	Natural Selection 2	Ch 11 & 12	11-1, 11-2, 12-5
WA	Tu, 28-Sep	Microevolution: Genetic Divergence Among Pops		
WA	Th, 30-Sep	Human Evolution	Ch 20	20-2, 20-3, 20-5
WA	Tu, 5-Oct	EXAM 2		

	Date	Topic	Reading	Problems TBA
DP	Th, 7-Oct	Conflict	Ch. 12:467-471, 473	
DP	Tu, 12-Oct	Coevolution	Ch. 10:365-371	
DP	Th, 14-Oct	Life history I	Ch. 13	
DP	Tu, 19-Oct	Life history II	Ch. 13	
DP	Th, 21-Oct	Phylogeny I	Ch. 4, Ch. 2:50-62	
DP	Tu, 26-Oct	Phylogeny II	Ch. 4	
DP	Th, 28-Oct	Evolutionary Medicine	Ch. 14	
DP	Tu, 2-Nov	EXAM 3		
DP	Th, 4-Nov	Species concepts	Ch. 16	
DP	Tu, 9-Nov	Speciation	Ch. 16	
DP	Th, 11-Nov	Biogeography	Ch. 4:133-134	
DP	Tu, 16-Nov	History of life, fossils, biodiversity	2:44-49; 17:639-650, 663-672; 18:689-709	
DP	Th, 18-Nov	Biodiversity/Extinction	Ch. 18:709-720	
DP	Tu, 23-Nov	Thanksgiving Break		
DP	Th, 25-Nov	Thanksgiving Break		
DP	Tu, 30-Nov	Development and Evolution	Ch. 19	
DP	Th, 2-Dec	EXAM 4		
DP	Tu, 7-Dec	FRIDAY SCHEDULE		