

Evolution 301

Instructor: Brice Noonan

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Class time: T,Th: 8:00 – 9:15 Office Hrs: T, Th: 9:15 – 10:45

Text: Evolution (Futuyma, 2005)

Week 1: Jan 17	Chapter 1: <i>Evolutionary Biology</i>
Week 2: Jan 22, 24	Chapter 2: <i>The Tree of Life</i>
Week 3: Jan 29, 21	Chapter 3: <i>Patterns of Evolution</i>
Week 4: Feb 5, 7	Chapter 4,5: <i>Evolution in the Fossil Record A History of Life on Earth</i>
Week 5: Feb 12, 14	Chapter 6: <i>The Geography of Evolution</i>
Week 6: Feb 19, 21	Chapter 7: <i>The Evolution of Biodiversity</i>
Week 7: Feb 26, 28	Chapter 8,9: <i>The Origin of Genetic Variation</i>
Week 8: Mar 4, 6	Chapter 10: <i>Genetic Drift: Evolution at Random</i> March 6: MIDTERM
Week 9:	SPRING BREAK
Week 10: Mar 18, 20	Chapter 11: <i>Natural Selection and Adaptation</i>
Week 11: Mar 25, 27	Chapter 12: <i>The Genetical Theory of Natural Selection</i>
Week 12: Apr 1, 3	Chapter 13,14: <i>Evolution of Phenotypic Traits Conflict and Cooperation</i>
Week 13: Apr 8, 10	Chapter 15,16: <i>Species Speciation</i>
Week 14: Apr 15, 17	Chapter 17,18: <i>How to Be Fit: Reproductive Success Coevolution: Evolving Interactions among Species</i>
Week 15: Apr 22, 24	Chapter 19: <i>Evolution of Genes and Genomes</i>
Week 16: Apr 29, May 1	Chapter 20, 21: <i>Evolution and Development Macroevolution: Evolution above the species level</i>
May 6	FINAL EXAM 8AM

Grading:

Midterm Exam: 45 pts.

Final Exam: 45 pts.

Quizzes (unscheduled): 10 pts.

