

SYLLABUS

Day	Date	Topic	Text	Supplement
F	9/10	Introduction. History of animal behavior		
T	9/14	Approaches to animal behavior. Review of natural selection.	Chap. 1	1 S and A p. 172
F	9/17	Adaptation	Chap. 7	2, 3
T	9/21	Ethology and neural mechanisms		4
F	9/24	Development of bird song	Chap. 2	
T	9/28	Why birds sing	Chap. 2	
F	10/1	Genetic basis of behavior	Chap. 3	S and A p. 162
T	10/5	Origins of individual behavior P	Chap. 4	
F	10/8	Cultural Evolution	Chap. 4	
T	10/12	Exam		
F	10/15	Neuroethology	Chap. 5	
T	10/19	Sensory adaptations	Chap. 5	5
F	10/22	Navigation P	Chap. 6	
T	10/26	Biological clocks		6
F	10/29	Biological clocks		
T	11/2	Hormones and behavior		
F	11/5	Exam		
T	11/9	Behavioral ecology	Chap. 8 and 10	
F	11/12	Reproductive behavior	Chap. 11	S and A p. 156
T	11/16	Mating systems	Chap. 12	S and A p. 272
F	11/19	Parental behavior	Chap. 13	
T	11/23	Social insects	Chap. 14	S and A p. 294
F	11/26	Thanksgiving	Chap. 12	
T	11/30	Social behavior	Chap. 14	
F	12/3	Human behavior	Chap. 15	S and A p. 240
T	12/7	Human behavior		
		Final Exam		

1. Chapters on genetics and evolution in any introductory biology textbook.
2. Chapter 12, "Natural selection and adaptation" in Evolutionary Biology, by Futuyma
3. "The spandrels of San Marco and the Panglossian paradigm" by S. J. Gould and R.C. Lewontin. The Proceedings of the Royal Society of London, series B, Vol. 205 pp. 581-598, 1979.
4. Chapter 7, "The nervous system and behavior" in Animal Behavior ((5th ed.) by Drickamer, Vessy, and Jakob, 2002.
5. Chapter 2 in Behavioral Neurobiology by Thomas Carew, 2000.
6. Chapter 3 in Chronobiology by Dunlap, Loros, and Decoursey, 2004.

P – project due dates