

Behavioral Ecology Biol4180

	Topic	Reading	Assignment due
Aug 25	Intro to Behavioral Ecology & the Adaptationist Perspective,	K&D 1, Gould & Lewontin 1979	
Aug 27	Testing Hypotheses	K&D 2 Owens 2006	
Sep 1	Economic perspectives on behavior	K&D 3;	
Sep 3	More economics	K&D 5;	
Sept 8	Competition for resources	Brown 2004;	
Sept 10	Predator-prey coevolution	Brodie and Wilkinson 2009; K&D Ch 4 (skim);	Synopsis 1
Sept 15	Mimicry	Joron and Mallet 1998; Brodie 1993; Pfennig 2008, 2001	
Sept 17	EXAM 1		
Sept 22	Sexes and Sex Ratio	West 2002; Dr. T 11	
Sept 24	Sexual conflict and sexual selection	K&D 8; Dr. T 1, 2, 3, 9	
Sept 29	Sexual Selection		
Oct 1	Alternative strategies	K&D 10; Dr. T 5	
Oct 6	READING DAY		
Oct 8	Guest lecture		
Oct 13	Mating Systems	K&D 9; Dr. T 10	Synopsis 2
Oct 15	Fighting	K&D 7; Dr. T 4	
Oct 20	Exam 2		
Oct 22	Signal Evolution	K&D 14; Tibbets 2004	
Oct 27	Parental Investment and Parent-Offspring Conflict	Kilner 1997; Trivers 1974	
Oct 29	Group Living pros and cons	K&D 6	
Nov 3	Altruism, Kin Selection, and group selection	K&D 11 Wilson & Wilson 2008	
Nov 5	Cooperation	K&D 12;	
Nov 10	Eusociality and haplo-diploidy	K&D 13; Boomsma 2006	Synopsis 3
Nov 11	Social selection and IGEs		
Nov 17	EXAM 3		
Nov 19	Final Presentations 1-3		
Nov 24	TBA		
Nov 26	THANKSGIVING BREAK		
Dec 1	Final Presentations 4-6		
Dec 3	Final Presentations 7-9		
Dec 8	Final Presentations 10-12		

K&D = Krebs and Davies *Introduction to Behavioural Ecology* 3rd ed.

Dr. T. = Dr. Tatiana's Sex Advice to All Creation