

Bio 45 -- Animal Behavior -- Reading List 3 -- 2002

Week 10

1 - Fri., 8 Nov. - Mating Systems

1. Alcock Ch. 12: all
2. Jirotkul, M. 1999. Operational sex ratio influences female preference and male-male competition. Anim. Behav. 58:287-294 [

Week 11

**** Journal Exercise #4 - Due in class Friday - see Handout for details ****

2 - Mon., 11 Nov. - Parental Care

1. Alcock Ch. 13: all

***** Discussion #8 - Seahorses*****

3 - Wed., 13 Nov. - Living in Groups -- advantages and disadvantages

1. Alcock - Ch. 7: 202-207
2. Alcock - Ch. 14: 421-427

4 - Fri., 15 Nov. - Altruism and Inclusive Fitness

1. Alcock - Ch 14: 427--445
2. Alcock - Ch. 4: 85-89 - kin recognition

Week 12

5 - Mon., 18 Nov. - Cooperation and Conflict revisited

1. Alcock - Ch. 13:411-417
2. Moore, H. et. al. 2002. Exceptional sperm cooperation in the wood mouse. Nature 418(11 July): 174-177 e-journal
3. Griffin, A. & s. West. 2002. Kin selection: fact or fiction. Trends Ecol. Evol. 17(1): 15-21 e-journal

***** Discussion #9 - Termite Film *****

6 - Wed., 20 Nov. -- Eusocial Animals

1. Alcock - Ch. 14: 445-end
2. Whitfield, J. 2002. The police state. Nature 416 (25 April): 782-784

7 - Fri., 22 Nov. -- Social Structure and Dynamics -- Cats and Dogs

1. Alcock - Find and read things about carnivores, cheetahs, lions, coyotes, wolves, African wild dogs - you can also try finding things about their social behavior on the web

Over ->

Week 13

8 - Mon., 25 Nov. -- Social Structure and Dynamics -- Lions and Hyenas

1. Alcock - Find and read pages about lions and hyenas in Alcock (including pp. 282-287)

*** No Discussion Sections this week***

vacation

vacation

Week 14

** Journal Exercise #5 - Due in class **Monday** - see Handout for details **

9 - Mon., 2 Dec. -- Social Structure and Dynamics -- Horses and Cows

1. Alcock - Find and read pages about red deer, antelopes, wildebeest, and pp. 308-311, 200-202, 386-391

*** Discussion #10 - Sharing Brainstorms ***

10 - Wed., 4 Dec. – Female Perspectives

1. West, S.A. and B. Sheldon. 2002. Constraints in the evolution of sex-ratio adjustment. Science 295: 1685-1688 e-journal

11 - Fri., 6 Dec. -- Social Structure and Dynamics -- Primates

1. de Waal, F. 1995. Bonobo sex and society. Scientific American March, pp. 82-88 (on WebCT)
2. Alcock - find and read about baboons, chimpanzees, gorillas, and pp.13-18

Week 15

** Journal Exercise #6 – Due at the Exam - see Handout for details **

12 - Mon., 9 Dec. - **Overview**

1. Alcock Ch. 15 – as much as you want – not on exam
2. Lummaa, V and T. Clutton-Brock. 2002. Early development, survival and reproduction in humans. Trends Ecol. Evol. 17(3): 141-147 e-journal

Wed., 11 Dec. – **Third HOUR EXAM -- in class**

- Covers material for lectures 1 - 12
- Covers Alcock and assigned readings above plus any others assigned for discussion sections