

Animal Behavior Reading Assignments

A version of this handout is also on page 5 of your coursepack

LECTURES

- 1 (Big topics in animal behavior): K&D chaps 1 - 2
- 2 & 4 (Animal diversity): K&D chap 3; CP (species accounts from Janzen 1983; Siebert 2006; Richard 1985;)
- 3 (Methodology): M&B chaps 1 – 6; CP (Smuts 1985, chap 3)
- 5 (Kin selection, competition, origin of sex): K&D chaps 5, 6, & 13
- 6 (Sexual selection): K&D chap 8; CP (Moller 2001)
- 7 (Mating systems): K&D chaps 9 – 10; CP (Emlen & Oring 1977)
- 8 (Territoriality & male-male competition): K&D chap 7; CP (Huntingford & Turner 1987)
- 9 (Communication): K&D chap 14; CP (Cocroft 1999; Rand & Ryan 1981)
- 10 (Parental care, parent-offspring conflict, and sibling rivalry): K&D chap 12; CP (Trivers 1972; Diesel 1992; Elgar & Crespi 1992)
- 11 (Arms races and game theory): K&D chaps 4 & 11; CP (Brodie 1993; Tuttle & Ryan 1981; Warkentin 1995; Levey et al 2004)
- 12 (Cooperation & mutualisms): CP (3 Janzen papers, Schaefer et al 2004, AND Sapolsky 2006 (under readings for SQ4 in CP)
- 13 (Convergent evolution, and the importance of history): CP (Heying 2001)

FIELD TRIPS (ALL FROM COURSEPACK)

- Woodland Park Zoo (April 5): CP (Martel 2002; DeWaal 1998)
 Gray's Harbor bird migration (April 26): CP (Alerstam et al 2003)

STATISTICS WORKSHOPS

- 1: FC&J chaps 1 – 3; CP (Blinkhorn 2006)
- 2: FC&J chap 4; M&B chap 8; CP (Smuts 1985, chap 6)
- 3: FC&J chaps 5 - 7
- 4: FC&J chaps 9 & 11; M&B chap 9
- 5: FC&J chaps 12 & 16; M&B appendix 3
- 6: FC&J chap 17; And review FC&J chap 16 and M&B appendix 3.
- 7: FC&J chap 13

STUDY QUESTIONS (ALL FROM COURSEPACK)

- 1 (April 16: non-human primates in the wild): Goodall 1990; Cheney & Seyfarth 1990
- 2 (April 30: human evolution): Alexander 1990
- 3 (May 21: human reproduction and parent-offspring conflict): Hrdy 1999
- 4 (May 29: evolution of morality and cooperation): Lahti & Weinstein 2005; Sapolsky 2006

Required Texts and associated codes

CP: Coursepack.

K&D: An Introduction to Behavioural Ecology (3rd ed). By J. R. Krebs and N. B. Davies. 1993. Blackwell Science, Inc. 420 pp. ISBN: 0632035463.

M&B: Measuring Behavior: An Introductory Guide. By P. Martin and P. Bateson. 1994. Cambridge University Press, New York. ISBN 0-521-44614-7.

FC&J: Practical Statistics for Field Biology, 2nd edition. By Jim Fowler, Lou Cohen & Phil Jarvis. 1998. Wiley & Sons. ISBN: 0-471-98296-2.