

Syllabus for Avian Biology (ZOO4472)

Lectures: Tu (periods 6,7) Th (Period 6) BAR 211 ; Labs TuTh (Periods 2-5: Carr 120)

Instructor: Scott Robinson (srobinson@flmnh.ufl.edu) 273-1965, 307 Dickinson Hall

TAs: Felicity Newell and Ian Ausprey, 305 Dickinson

Text: Ornithology, Fourth Edition (Gill and Prum)

Office Hours: Each Wed. 1-3 in Dickinson 307 (I recommend emailing or calling me at 273-1965 to arrange entrance to building; or sign in at front desk and have them call me) or by appointment.

Date Lecture topic (Chapter in Text)

Section 1: Evolution, flight, senses, and physiology

- Jan. 7 Introduction (Preface)
- 09 Origin and Diversity (1)
- 14 Evolutionary History (2)
- 16 Phylogenetics and Systematics; speciation (3, 19)
- 21 Feathers and the evolution of flight (4,5)
- 23 Flight, continued
- 28 Physiology (6)
- 30 Senses and cognition (7)
- Feb. 4 Cognition, cont.
- 6 **Review for Exam 1 (Exam in evening at 7:00PM)**

Section 2: Behavior

- 11 Vocalizations (8)
- 13 Annual cycles (9)
- 18 Migration patterns (10)
- 20 Migration patterns and mechanisms (10)
- 25 Social behavior (11)
- 27 Social and breeding behavior (12)
- March 10 Sexual Selection (13)
- 12 Sexual Selection (13)
- 17 Special lectures on migration and conservation
- 19 **Review for Exam 2 (Exam in the evening at 7:00PM)**

Section 3: Life Histories, Population and Community Ecology, and Conservation

- 24 Brood parasitism (14)
- 26 Cooperative breeding (14)
- 31 Nests and incubation (15); Parents and offspring (16)
- April 02 Life histories (18)

- 07 Community ecology (20)
- 09 Community ecology (20)
- 14 Conservation (21)
- 16 Conservation (21)
- 21 **Review for Exam 3 (Exam in evening at 7:00 PM)**

Grading:

3 hourly exams, each worth 100 points=300 points. Exams held in the evenings in 211 Bartram from 7-10; class on the day of the exam will be a review session)

Lab: 160 points

No final

Total: 460 points