

Syllabus for Avian Biology (ZOO4472)

Lectures: Tu (period 7) Th (Periods 6 and 7) BAR 211

Labs: TuTh

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

TA: Juan-Pablo Gomez and Felicity Newell, 305 Dickinson

Office Hours: TBD or by appointment

Date Lecture topic (Chapter in Text)

Jan. 5 Introduction (1)

7 Module 1: Evolutionary history (2,3)

12 Module 1: Evolution of flight

14 Module 2: Anatomy (5,6)

19 Module 2: Physiology (7,14)

21 Module 2: Physiology, Feathers (4)

26 Module 2: Senses (7); Foraging and digestion (6)

28 Module 3: Flight physics and Soaring and Gliding (5)

Feb 2 Module 4: Avian life histories: Nests and eggs (15)

4 Module 4: Incubation and development (16)

9 **Review for Exam (Exam 1 in evening)**

11 Module 5: Behavior: Cognition (7)

16 Module 5: Migration patterns (10)

18 Module 5: Migration (guest lecture: Lisa Davenport: Intra-tropical migration) plus Tropical bird community ecology [material will be included on the third exam] (guest lecture: John Terborgh)

23 Module 5: Migration and orientation

25 Module 5: Behavior: Social behavior (11, 13)

March 8 Module 5: Multi-species flocking (Harry Jones)

10 Module 5: Sociality (Visual and vocal communication (8, 12)

15 Module 5: Mating Systems (12, 13)

- 17 Guest lecture: Judit Ungvari-Martin (Tropical bird community ecology) [material will be covered on the third exam period.
- 22 **Review for Exam II Exam in the evening**
- 24 Module 6: Brood parasitism and Cooperative Breeding (13)
- 29 Module 6: Cooperative Breeding (13)
- 31 Foraging and Community Organization
- April 5 Module 7: Community ecology (20)
- 7 Module 7: Community ecology
- 12 Module 8: Conservation
- 14 Module 8: Conservation
- 19 **Review; Exam 3 in evening**

Exam 1: 100 pts

Exam 2: 100pts

Exam 3: 100pts

Lab: 160 pts

Total grade: 460 pts

Exam 2: 100pts

Exam 3: 100pts

Lab: 160 pts

Total grade: 460 pts