

# AVIAN ANATOMY AND SPECIMEN PREPARATION ZOO 4926, 6927 (4 credits)

Spring 2017 Semester  
Thursday, periods 7 - 10 (1:55 - 6:00 pm), Carr 120

## Instructors:

Andrew W. Kratter  
Florida Museum of Natural History  
350 Dickinson Hall  
Tel: 273-1973  
E-mail: kratter@flmnh.ufl.edu  
Office hours: Wednesday 3-5 pm

David W. Steadman  
Florida Museum of Natural History  
320 Dickinson Hall  
Tel: 273-1969  
E-mail: dws@flmnh.ufl.edu  
Office hours: Wednesday 1-3 pm

This **grad-undergrad** course is department-controlled. To enroll, undergrads should see Tangelyn Mitchell (Bartram 220), whereas grad students should see Susan Spaulding (Bartram 215).

***Avian Anatomy and Specimen Preparation*** will provide students with a thorough, hands-on review of avian anatomy and museum techniques. We will cover all macroscopic aspects of external and internal anatomy, with a special focus on the form and function of plumages, molt, osteology, myology, major organs, and the reproductive system. Each week, each student will prepare a museum specimen (skin and/or skeleton) during class, collecting all appropriate anatomical data from a freshly thawed bird. The labs are designed to expose each student to a broad taxonomic range of birds, although some labs can be individualized to suit particular interests.

## No required text

- Numerous handouts will be provided, as well as a Curatorial Manual, catalog paper, labels, & other prep materials.

## Required equipment

- All dissecting gear will be provided.

## Grading criteria

- Completed dissections of all required specimens (N = 15) and collection of all associated data (90% of grade)
- Lab practical (10% of grade)

**The FLMNH Bird Collection** is open to students Mon – Thurs, 9 am to 4 pm, or by appointment.

**Please note.** Attendance is mandatory. You are responsible for showing up, ON TIME, for each class. Make-up classes are not permitted for this 4-hour lab, except for true emergencies.

## **Specimen requirements for ZOO 4926, 6927 --- Avian Anatomy and Specimen Preparation**

**Spring 2017 (Thursday, periods 7-10), Carr 120**

<b>Date</b>	<b>Topic, specimen type</b>
05 January	introduction; external anatomy
12 January	external & reproductive anatomy; study skin
19 January	external & reproductive anatomy; skeleton
26 January	external & reproductive anatomy; study skin
02 February	external & reproductive anatomy; study skin
09 February	wing myology + skeleton (waterbird vs. landbird)
16 February	leg myology + skeleton (waterbird vs. landbird)
23 February	external & reproductive anatomy; study skin
02 March	skin + spread wing (flight feather molt)
09 March	Spring Break
16 March	skeleton + spread wing (flight feather molt)
23 March	skin + spread wing (flight feather molt; big bird)
30 March	skin (medium-sized bird)
06 April	skin (big bird)
13 April	no class
20 April	two skeletons OR two skins
25 April	specimen celebration in FLMNH (all avian anatomists welcome!)