**WILD 4060-6060 Ornithology** – **Course Policies and Tentative Schedule**

**Spring 2022**

**Lecture: 11:30 – 12:20 MWF; Room: 1-304 (bldg. 1040-0304)**

**Lab: Fri 08:00-11:10; Room: 1-101 (bldg. 1040-0101)**

Instructors:

Clark Rushing, For. Res. 3-409, email: Clark.Rushing@uga.edu

Sonia M. Hernandez, email: [shernz@uga.edu](mailto:shernz@uga.edu); 706 296-3909

Teaching assistant: Julia Silva Seixas [Julia.SilvaSeixas@uga.edu](mailto:Julia.SilvaSeixas@uga.edu)

Course Objectives: To familiarize students with avian biology, including anatomy and physiology, behavior, ecology, evolution, and conservation. Lab and field exercises will emphasize taxonomy and identification of North American birds through use of field labs and study skins.

Texts: Required: (1) Gill, Frank B. 2006. Ornithology. Third edition. W. H. Freeman and Co. (2) A field guide. We recommend Peterson, Roger T. 1980. A field guide to the birds of eastern and central North America. Fourth edition. Houghton Mifflin. **Or** Sibley, David A. The Sibley Field Guide to Birds of Eastern North America. Knopf. (paperback). In addition, we may post selected Readings.

Grading: Your grade will be based on a total of 650 points, split between two lecture exams (100 points each), a non-cumulative final exam (100 points), two laboratory exams (100 points each), a research paper outline (25 pts), a research paper draft (25 pts) and a research paper final draft (100 pts).

Research Paper: Each student, or a team of two students, will work on a research project focusing on a topic of their choice (Start thinking now! Right now!). A 1-page proposal, outlining the title, nature of the question, indicating some preliminary review of literature, and methods is due **February 2nd**. The outline of the paper will be due **March 14th.** The **first draft of the paper will be** **due April 4th**. The first draft should have a well-developed Introduction, Materials and Methods and at least preliminary results if your data collection is ongoing, plus an outline of the Discussion and the Literature Cited. We will return edits to you and your **final draft will be due April 27th**. The paper will be in proper scientific format (see major ornithological journals such as Ornithology and Ornithological Applications). We expect you to use scientific writing and pay attention to grammar, spelling and appropriate syntax. Papers are to be typed, double-spaced and include clearly presented results in text, figures and tables. Submit your original data (as a field notebook, spreadsheet etc.) with the final draft. A discussion and a handout on how to conduct the research and formatting details on how to write the paper will be delivered during the first few lab periods.

\***The schedule is subject to change**. Updates will be provided via email\* and class announcements. \*Please be certain that you confirm your preferred email address for class communication.

**LECTURE TIMES AND TOPICS**

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|  | **DATE/TOPIC** | **CHAPTER READINGS** |
| **January** | **Jan 10th**  Course introduction- Rushing & Hernandez – go over syllabus and objectives; what do we love about birds-Hernandez’s ppt |  |
|  | **Jan 12th**  General avian characteristics discussion-Hernandez | 1 |
|  | **Jan 17th**  MLK HOLIDAY NO CLASS |  |
|  | **Jan 19th**  Origin and evolution of birds I-Rushing | 2 |
|  | **Jan 24th**  Origin & evolution of birds II-Rushing | 2 |
|  | **Jan 26th**  Speciation & Systematics - Rushing | 2 |
|  | **Jan 31st**  Darwin’s finches -Hernandez |  |
| **February** | **Feb 2nd**  Feathers – Hernandez  **RESEARCH PAPER PROPOSAL IS DUE** | 4 |
|  | **Feb 7th**  Flight – Hernandez | 5 |
|  | **Feb 9th**  Avian Physiology I: Respiratory System – Hernandez  NOTE Lecture Exam I Feb 18th | 6 |
|  | **Feb 14th**  Avian Physiology II: Digestive system-Hernandez | 6 |
|  | **Feb 16th**  TBA |  |
|  | **Feb 21st**  Avian Physiology III: Reproduction-Hernandez | 6,14 |
|  | **Feb 23rd**  Mating Systems-Hernandez | 12,13 |
|  | **Feb 28th**  Development and Clutch Size-Hernandez | 15,16 |
| **March** | **Mar 2nd**  Song and communication-Rushing | 8 |
|  | **Mar 7th**  SPRING BREAK-NO CLASS |  |
|  | **Mar 9th**  SPRING BREAK-NO CLASS |  |
|  | **Mar 14th**  Territoriality  Social behavior and Flocking--Hernandez  **OUTLINE OF RESEARCH PAPER IS DUE** | 11 |
|  | **Mar 16th**  Migration and navigation-Rushing | 10 |
|  | **March 21st**  Annual Cycles and Life history strategies-Rushing | 9 |
|  | **March 23rd**  Population ecology-Rushing  NOTE: Lecture Exam II March 28th | 18 |
|  | **March 28th**  Community ecology-Rushing | 20 |
|  | **March 30**  Senses and Intro to Intelligence-Hernandez | 7 |
| **April** | **April 4th**  Avian intelligence-Hernandez  **FIRST DRAFT OF RESEARCH PAPER DUE** | 7 |
|  | **April 6th**  Selected Avian diseases I-Hernandez |  |
|  | **April 11th**  Avian diseases and health II-Hernandez |  |
|  | **April 13th**  Habitat relationships-Rushing | Readings |
|  | **April 18th**  Monitoring bird populations-Rushing | Readings |
|  | **April 20th**  Agriculture and birds- Rushing | Readings |
|  | **April 25th**  Forestry and birds- Rushing | Readings |
|  | **April 27th**  Conservation-Rushing | 21 |
|  | **May 2nd**  TBA  **FINAL DRAFT OF RESEARCH PAPER DUE**  NOTE: Lecture Exam III during Final Exam period |  |

Note: All readings, unless otherwise noted, are from Gill, F. Ornithology (third edition). Additional readings from the primary literature will also be assigned.

**Tentative Lab Schedule, Spring 2022**

**Date Topic Location Time**

**Jan 14** Field trip/Intro to projects/lecture Lake Herrick/1-304 08:00

**21** Bird topography & orders / Projects 1-101 08:00

**28** Field trip / Projects TBA 08:00

**Feb 4** Anatomy/Dissection Lab TBA 08 :00

11 **Lecture Exam I** 1-101 08 :00

18 Field trip / Projects TBA

**25** Field trip / Projects TBA 08 :00

**March 4** **Lab Exam I** / Projects1-101 TBA

**11** **No Classes – SPRING BREAK**

**18** Field trip / Projects TBA 08:00

**25** **Lecture Exam II**  1-101

**April 1** Field trip / Projects TBA 08:00

**8** Field trip / Projects TBA 08:00

**15** Field trip / Projects TBA 08:00

22 Field trip / Projects TBA 08:00

29 **Lab Exam II** 1-101 TBA

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Note that field trips will meet in a variety of locations. You may be responsible for your own transportation to and from field trip sites, but often we will have a van that will meet at Warnell and drive to the site. Also note that lab times differ from week to week. Lab times and activities are subject to change due to a number of factors but primarily because of uncertainties related to weather. We will remind you of lab and exam times, primarily during class and through email, but you are ultimately expected to be at the correct place on time or you will be left behind.

All academic work must meet the standards contained in “**A Culture of Honesty**. “Students are responsible for informing themselves about these standards before performing any academic work. The link to more detailed information about academic honesty can be found at: <http://www.uga.edu/honesty/>

UGA adheres to guidance from the University System of Georgia and the recommendations from Georgia Department of Public Health (DPH) related to quarantine and isolation. Since this may be updated periodically, we encourage you to review the latest guidance here. The following information is based on guidance last updated on December 29, 2021.

Face coverings:

Following guidance from the University System of Georgia, face coverings are recommended for all individuals while inside campus facilities. In addition, we ask that you wear masks when being transported in vans to field trips.

How can I obtain the COVID-19 vaccine?

University Health Center is scheduling appointments for students through the UHC Patient Portal (https://patientportal.uhs.uga.edu/login\_dualauthentication.aspx). Learn more here – https://www.uhs.uga.edu/healthtopics/covid-vaccine.

The Georgia Department of Health, pharmacy chains and local providers also offer the COVID-19 vaccine at no cost to you. To find a COVID-19 vaccination location near you, please go to: https://georgia.gov/covid-vaccine.

In addition, the University System of Georgia has made COVID-19 vaccines available at 15 campuses statewide and you can locate one here: https://www.usg.edu/vaccination

What do I do if I have COVID-19 symptoms?

Students showing COVID-19 symptoms should self-isolate and get tested. You can schedule an appointment with the University Health Center by calling 706-542-1162 (Monday-Friday, 8 a.m.-5p.m.). Please DO NOT walk-in. For emergencies and after-hours care, see https://www.uhs.uga.edu/info/emergencies.

What do I do if I test positive for COVID-19? (Isolation guidance)

If you test positive for COVID-19 at any time, either through a PCR test, an Antigen test, or a home test kit, you are required to report it through the DawgCheck Test Reporting Survey. Follow the instructions provided to you when you report your positive test result in DawgCheck.

As of December 29, 2021, when an individual receive a positive COVID-19 test: Everyone, regardless of vaccination status, should:

· Stay home for 5 days.

· If you have no symptoms or your symptoms are resolving after 5 days, you can leave your house and return to class.

· Continue to wear a mask around others for 5 additional days.

What do I do if I have been exposed to COVID-19? (Quarantine guidance)

If you have been exposed (within 6 feet for a cumulative total of 15 minutes or more over a 24-hour period – unmasked\*\*) to someone with COVID-19 or to someone with a positive COVID-19 test and you are:

· Boosted, or have become fully vaccinated within the last 6 months (Moderna or Pfizer vaccine) or within the last 2 months (J&J vaccine)

o You do not need to quarantine at home and may come to class.

o You should wear a mask around others for 10 days.

o If possible, get tested on day 5.

o If you develop symptoms, get tested and isolate at home until test results are received, then proceed in accordance with the test results.

· Unvaccinated, or became fully vaccinated more than 6 months ago (Moderna or Pfizer vaccine) or more than 2 months ago (J&J vaccine) and have not received a booster:

o You must quarantine at home for 5 days. After that you may return to class but continue to wear a mask around others for 5 additional days.

o If possible, get tested on day 5.

o If you develop symptoms, get tested and isolate at home until test results are received, then proceed in accordance with the test results.

\*\* “Masked-to-masked” encounters are not currently considered an exposure; this type of interaction would not warrant quarantine.

You should report the need to quarantine on DawgCheck (https://dawgcheck.uga.edu/), and communicate directly with your faculty to coordinate your coursework while in quarantine. If you need additional help, reach out to Student Care and Outreach (sco@uga.edu) for assistance.

Well-being, mental health, and student support

If you or someone you know needs assistance, you are encouraged to contact Student Care & Outreach in the Division of Student Affairs at 706-542-7774 or visit https://sco.uga.edu/. They will help you navigate any difficult circumstances you may be facing by connecting you with the

appropriate resources or services. UGA has several resources to support your well-being and mental health: https://well-being.uga.edu/

Counseling and Psychiatric Services (CAPS) is your go-to, on-campus resource for emotional, social and behavioral-health support: https://caps.uga.edu/, TAO Online Support (https://caps.uga.edu/tao/), 24/7 support at 706-542-2273. For crisis support: https://healthcenter.uga.edu/emergencies/.

The University Health Center offers FREE workshops, classes, mentoring and health coaching led by licensed clinicians or health educators: https://healthcenter.uga.edu/bewelluga/

Monitoring conditions:

Note that the guidance referenced in this syllabus is subject to change based on recommendations from the Georgia Department of Public Health, the University System of Georgia, or the Governor’s Office. For the latest on UGA policy, you can visit coronavirus.uga.edu.