

# Ornithology Lecture - Biology 4231 WA - Topic Outline

Winter 2010

Dr. J. Hughes

Week of:

January 5

Unit 1.

Introduction to the course

Avian origins

January 12

Units 2 and 3.

Avian classification

Feathers: structure, growth, molt, and plumage

January 19

Unit 4.

Flight mechanics

January 26

Units 5 and 6.

Physiology and adaptation

Migration and navigation

February 2

Unit 7.

Feeding: apparatus and strategy

Midterm lecture test (Units 1-6) Thursday, Feb 4th

February 9

Unit 8.

Visual Communication

February 16

Study Week

February 23

Unit 9.

Vocal communication

March 2

Unit 10.

Social behaviour

March 9

Units 11 and 12.

Breeding systems

Reproductive anatomy and physiology

March 16

Units 13 and 14.

Nests and parental care

Growth and development

March 23

Unit 15.

Demographics: populations and communities

Final term lecture test (Units 7-15) Thurs, March 25rd

March 30  
No classes this week

Please note that this schedule is subject to change.

### **Ornithology Laboratory Topic Outline**

January 4  
No lab this week

January 11  
No lab this week

January 18  
Lab 1. Form and function: Feathers and flight

January 25  
No lab this week

February 1  
Lab 2. Form and function: Feeding

February 8  
No lab this week

February 15  
Study Week

February 22  
No lab this week

March 1  
Class discussion: Avian conservation

March 8  
Lab 3. Form and function: Everything else

March 15  
No lab this week

March 22  
No lab this week

March 29  
Lab test

Winter 2010

General Information and Marking Scheme

Professor:  
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Required supplementary notes:

Hughes, J. M. Ornithology Lecture and Lab Manual. Lakehead University Bookstore.

Grading scheme:

Midterm test February 4 15%

Class discussion March 1 5%

Point-of-view paper March 8 (in lab) 10%

End of term test March 25 20%

Lab assignment 1 January 18 5%

Lab assignment 2 February 1 3%

Lab assignment 3 March 8 2%

Lab test March 29 20%

Field notebook March 29 20%

Please note the following:

1. This course does not have an exam scheduled in the final exam period. Therefore, students who fail the end of term lecture test on March 25th will not be able to write a special exam that would be scheduled next summer.
2. Students taking this course will be required to observe and/or handle bird study skins and skeletons during the laboratory sessions. Those who are uncomfortable with this practice should not register in this course.
3. See "Introduction to Laboratory Sessions" for more information on requirements of field notebook and class discussion.