

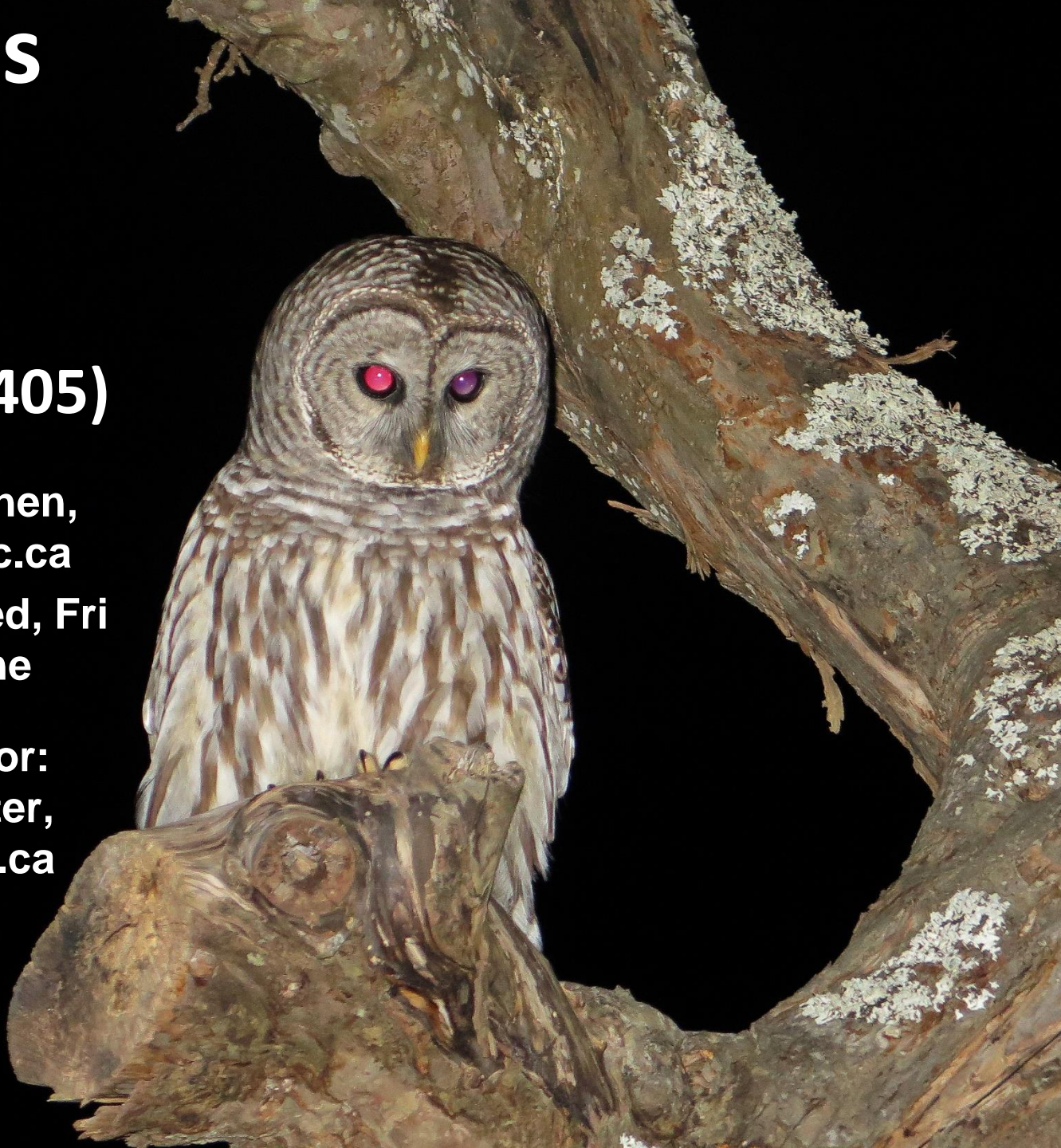
Vertebrates of British Columbia

Biology 329 (20405)

- Dr. T. E. Reimchen,
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**Lectures: Tues, Wed, Fri
1330-1420, online**

**Lab. Coordinator:
Dr. N. Winchester,
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Lecture Outline

Introduction

Geological timetable and the origin of the Tetrapods

Amphibians: evolution and life history

BC issues: species diversity, distribution, conservation

Reptiles: evolution and natural history

BC issues: species diversity, distribution, conservation

Birds: evolution, natural history, flight, vision, hearing, foraging

BC issues: species diversity, seabird life histories, loons, raptors, conservation


Mammals: evolution and natural history

BC issues: species diversity, terrestrial predators, Spirit Bears, cetaceans, conservation

Pleistocene glaciations and the colonization of BC

Alien vertebrates of BC

Overview

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- A green and brown frog is perched on a mossy log in a forest. The frog has a green body with brown dorsal patterns and a lighter green ventral side. The background is a dense forest floor with green grass and brown leaf litter.
- **MARKS**
 - **Lecture exams:**
 - **Midterm Quiz#1 (Feb 4) (multiple choice and/or short answers) 10%**
 - **Midterm Quiz#2 (March 11) ((multiple choice and/or short answers) 15%**
 - **Final (TBA) (multi-choice and short answers, essay) 25%**
 - **Laboratory (see lab module) 50%**

Note: The first two weeks of the lectures are online (BrightSpaces, Zoom) after which the current plan is to be in-person. All lecture material will be available on BrightSpaces with associated video files several hours after the lecture. Midterm lecture quizzes: each quiz will have material covered in lectures since the previous quiz. The final lecture exam will be cumulative but with emphasis (>80%) on material since the last quiz. Students not wanting their marks posted using ID# (last 5 digits) should notify me at the beginning of the term. It is the student's responsibility to meet the ADD/DROP dates from the UVic calendar. Students are responsible for checking their own records and registration status and should review the UVic [student code of conduct](#). Deferred exams will be offered only for medical issues. Students receiving less than 45% on the final lecture exam receive a failing grade for the course and a supplementary exam is not permitted for those who get less than 50% in the course.

Lab schedule

BIOLOGY 329 -LAB SCHEDULE- Spring 2022

WEEK OF	TOPIC
January 10	NO LABS
January 17	Biodiversity of Birds 1 – Loons-Ducks
January 24	Biodiversity of Birds 2 – Birds of Prey-Cranes
January 31	Biodiversity of Birds 3 – Shorebirds-Alcids
February 7	Biodiversity of Birds 4 – Pigeons-Woodpeckers
February 14	Midterm Exam -Identification
February 21	Reading Break – No Labs
February 28	Biodiversity of Birds 5 – Perching Birds Part 1
March 7	Biodiversity of Birds 6 – Perching Birds Part 2
March 14	Biodiversity of Small Mammals
March 21	Biodiversity of Large Mammals
March 28	Final Exam – Identification
April 4	No labs

NOTE: Amphibians and Reptiles will be a module component in the first 3 labs

IMPORTANT DATES & GRADING SCHEME

Midterm:	Identification Exam – Closed book	15%
Final:	Identification Exam – Closed book	20%
Project:	Part 1 Image project, Due by Feb. 12, 4:30pm	5%
	Part 2 Image project, Due by April 9, 4:30pm	10%
TOTAL		50%



- The course goals are to motivate interest in the diversity of tetrapods in BC.
- By the end of this course, you should be able to:
- 1) Describe major characteristics of tetrapods and their evolution.
- 2) Understand the major ecological factors influencing the life history and distribution of BC tetrapods.
- 3) Evaluate the impacts of human activities on BC tetrapods
- 4) Identify to species the tetrapods of BC (major component of lab).

