

Vertebrates of British Columbia

Biology 329 (20399)

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

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

invasive vertebrates of BC

Overview

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- **MARKS**
 - **Lecture exams:**
 - **Midterm Quiz (Feb 17, short answers) 20%**
 - **Final (TBA) (multi-choice and short answers, essay) 30%**
 - **Laboratory (see lab module) 50%**

Note: All lecture material will be available on BrightSpaces with associated video files and pdfs several hours after the lecture. Audio of the lectures are not consistent and should not be relied on. Class attendance is encouraged. Midterm lecture quiz covers material from the beginning of the course. 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.

BIOLOGY 329 -LAB SCHEDULE- Spring 2023

Dr. Neville Winchester winchest @uvic.ca

WEEK OF	TOPIC
January 9	NO LABS
January 16	Biodiversity of Birds 1 – Loons-Ducks
January 23	Biodiversity of Birds 2 – Birds of Prey-Cranes
January 30	Biodiversity of Birds 3 – Shorebirds-Alcids
February 6	Biodiversity of Birds 4 – Pigeons-Woodpeckers
February 13	Midterm Exam – Identification
February 20	Reading Break – No Labs
February 27	Biodiversity of Birds 5 – Perching Birds Part 1
March 6	Biodiversity of Birds 6 – Perching Birds Part 2
March 13	Biodiversity of Small Mammals
March 20	Biodiversity of Large Mammals
March 27	Final Exam – Identification
April 3	No labs

NOTE: Amphibian and Reptile identification 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 February 17	5%
	Part 2 Image project Due April 6	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).**

