



# Vertebrates of British Columbia

Jan. 2024

**Biology 329 (20374)**

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

Lab. Coordinator:  
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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

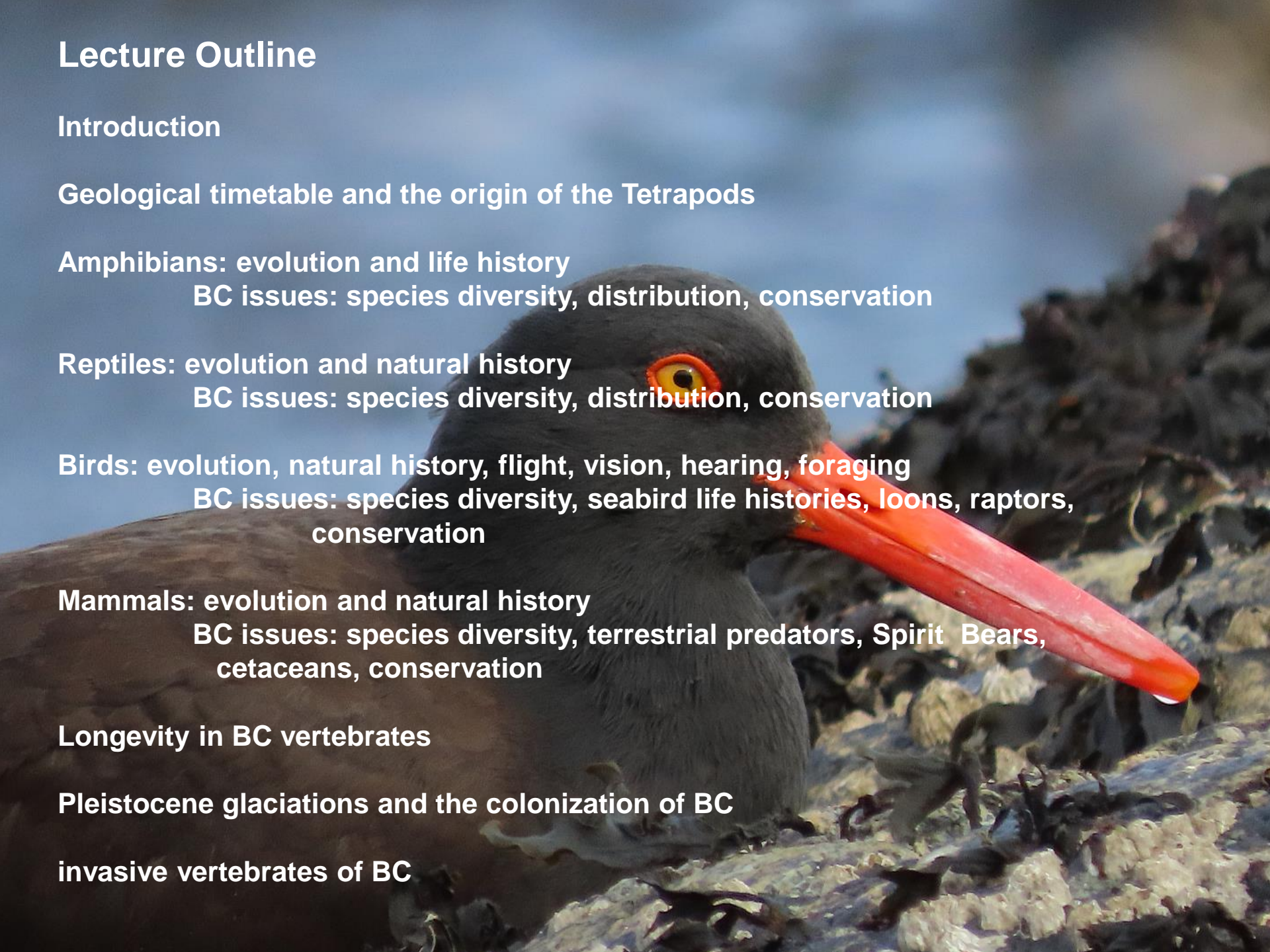
## Mammals: evolution and natural history

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

## Longevity in BC vertebrates

## Pleistocene glaciations and the colonization of BC

## invasive vertebrates of BC



# BIOLOGY 329 -LAB SCHEDULE- Spring 2024

Dr. Neville Winchester winchest @uvic.ca

WEEK OF	TOPIC
January 8	NO LABS
January 15	Biodiversity of Birds 1 – Loons-Ducks
January 22	Biodiversity of Birds 2 – Birds of Prey-Cranes
January 29	Biodiversity of Birds 3 – Shorebirds-Alcids
February 5	Biodiversity of Birds 4 – Pigeons-Woodpeckers
February 12	<b>Midterm Exam</b> – Identification
February 19	Reading Break – No labs
February 26	Biodiversity of Birds 5 – Perching Birds Part 1
March 4	Biodiversity of Birds 6 – Perching Birds Part 2
March 11	Biodiversity of Small Mammals
March 18	Biodiversity of Large Mammals
March 25	<b>Final Exam</b> – Identification
April 1	Easter, No labs

**NOTE:** Amphibian and Reptile identification will be a module component in the first 3 labs

**Field Trips** You must attend 2 field trips and complete an E-bird check list combining both field trips. The checklists will be submitted at the end of the course (April 5). Details will be discussed in the lab. These field trips will be posted each week on the Biology 329 BRS page.

### IMPORTANT DATES & GRADING SCHEME

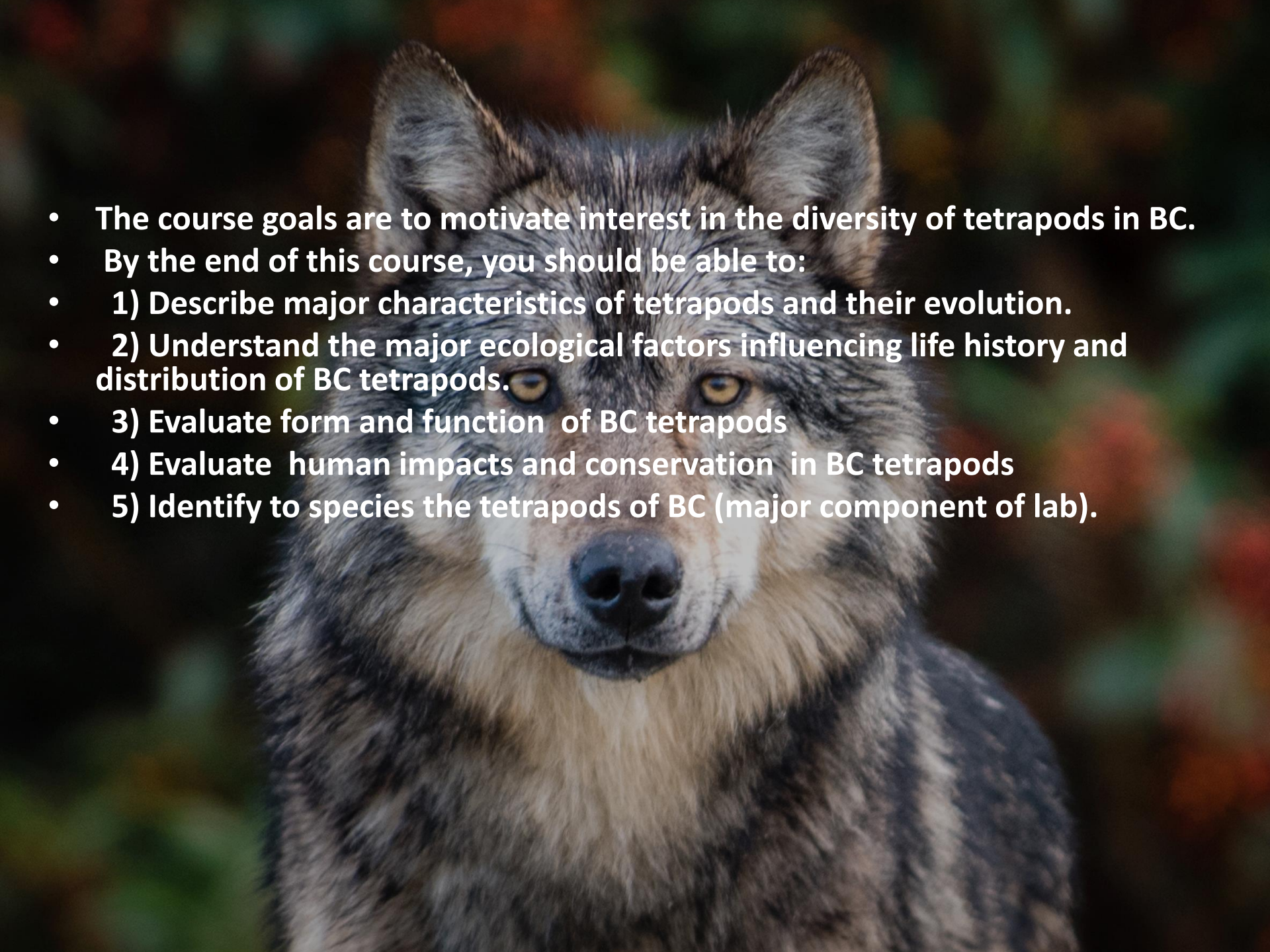
<b>Midterm:</b> Identification Exam – Details of this exam will be discussed in the lab	20%
<b>Final:</b> Identification Exam – Details of this exam will be discussed in the lab	25%
<b>E-bird check lists:</b> Due April 5 by 4:30	5%
<b>TOTAL</b>	<b>50%</b>



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- **MARKS**
  - **Lecture exams:**
  - **Midterm Quiz (Feb 16, short answers) 20%**
  - **Final (TBA) (multi-choice and short answers, essay) 30%**
  - **Laboratory (see lab module) 50%**

**Note:** All lecture material and lecture video will be available on BrightSpaces several hours after the lecture. Audio of the lectures are not reliable. 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 midterm 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. A supplementary exam is not permitted for those who get less than 50% in the course. Students failing the lab (<50%) do not pass the course.

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- **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 life history and distribution of BC tetrapods.**
  - **3) Evaluate form and function of BC tetrapods**
  - **4) Evaluate human impacts and conservation in BC tetrapods**
  - **5) Identify to species the tetrapods of BC (major component of lab).**