



Vertebrates of British Columbia

Biology 329 (20392)

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

Lab. Coordinator:
Dr. N. Winchester,
winchest@uvic.ca

Zoom online

'Takaya'- Photo by Cheryl Alexander

Lecture Outline

Introduction

Geological timetable and the origin of the Tetrapods

Amphibians: evolution, 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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- **MARKS**
 - Lecture exams: (BrightSpaces, online, open book)
 - Midterm Quiz#1 (Jan 29) (short answer) 5%
 - Midterm Quiz#2 (Feb 23) (short answer) 10%
 - Midterm Quiz#3 (Mar 24) (short answer) 10%
 - Final (TBA) (multi-choice and short answer) 25%

Laboratory

50%

Note: All lecture material will be available on BrightSpaces with associated audiofiles several hours after the lecture. Midterm lecture quizzes: each quiz will have any 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. A supplementary exam is not permitted for those who get less than 50% in the course. 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.

BIOLOGY 329 -LAB SCHEDULE- Spring 2021

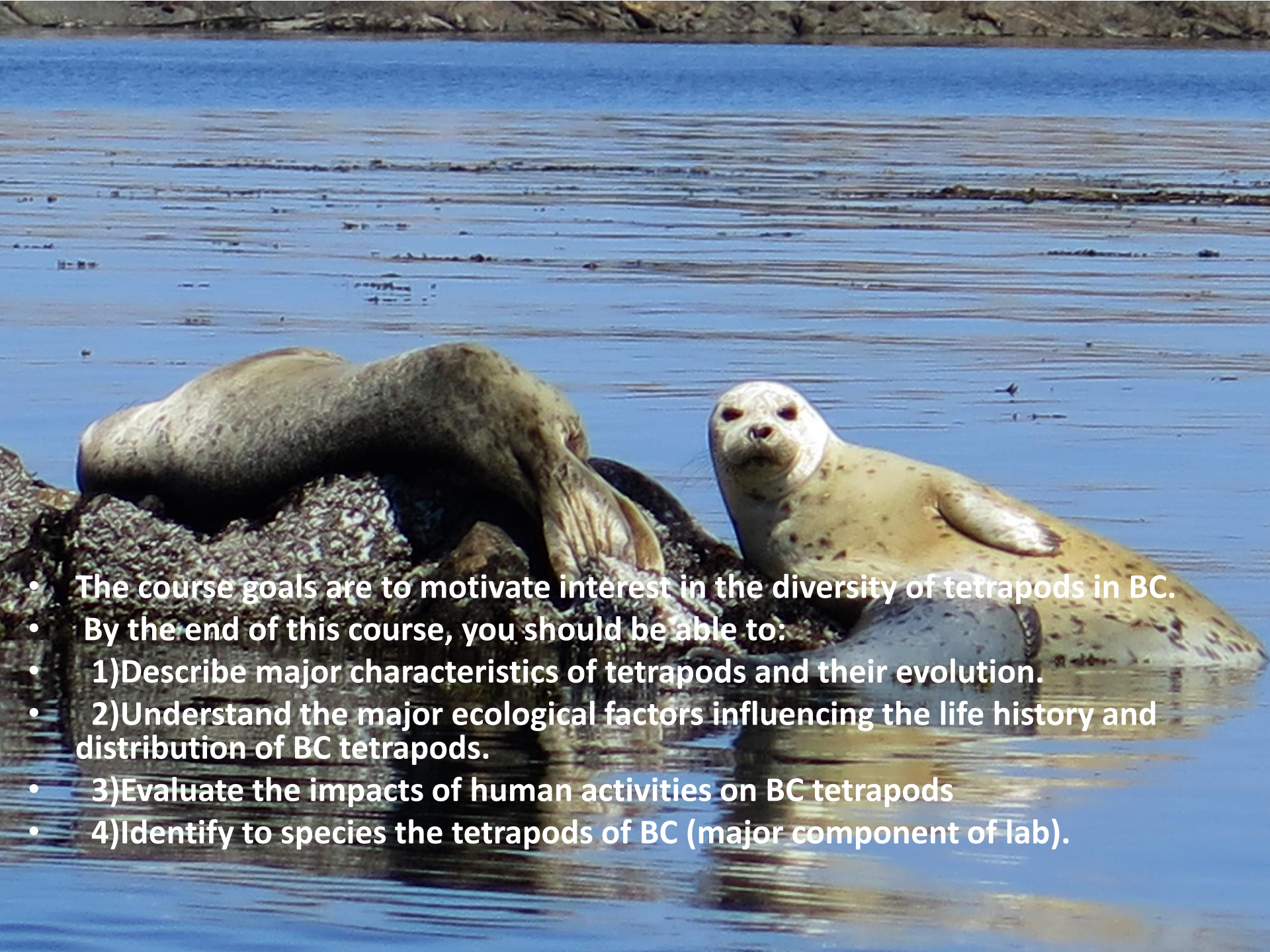
WEEK OF	TOPIC
January 11	NO LABS
January 18	Biodiversity of Birds 1 – Loons-Ducks
January 25	Biodiversity of Birds 2 – Birds of Prey-Cranes
February 1	Biodiversity of Birds 3 – Shorebirds-Alcids
February 8	Biodiversity of Birds 4 – Pigeons-Woodpeckers
February 15	Reading Break – No Labs
February 22	Midterm Exam – Identification
March 1	Biodiversity of Birds 5 – Perching Birds Part 1
March 8	Biodiversity of Birds 6 – Perching Birds Part 2
March 15	Biodiversity of Small Mammals
March 22	Biodiversity of Large Mammals
March 29	Final Exam – Identification
April 5	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	5%
	Part 2 Image project	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).