A group of ducks swimming in a pond. The ducks are dark with a white patch on their chests. They are scattered across the water, some facing left and some facing right. The water is calm with slight ripples.

- **BIOLOGY 329 January 2019**

- **(20336)**

- **Biology of the Vertebrates  
of British Columbia**

- **Instructor: Dr. T. E. Reimchen, Office: Cunn 056**

- **Lectures: Tues, Wed, Fri 1330-1420, Cornett A125**

- **Lab. Coordinator: Dr. N. Winchester, Ph. 721-7099 [winchest@uvic.ca](mailto:winchest@uvic.ca)  
Labs: Cunn 228**

# Lecture Outline

## Major themes

Sampling methodologies and conservation categories

Geological timetable and the origin of the Tetrapods

Amphibians: evolution, life history, biomechanics

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, raptors, conservation


Mammals: evolution, natural history

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

Pleistocene glaciations and the post-glacial colonization of BC

Alien vertebrates of BC

Overview



<b>Midterm: Biodiversity – written exam (closed book)</b>	<b>5%</b>
<b>Midterm: Identification – open book</b>	<b>20%</b>
<b>Final: Biodiversity – written exam (closed book)</b>	<b>5%</b>
<b>Final: Identification – open book</b>	<b>20%</b>

**Note: The lecture material covered in the first part of the course will be examined on the mid-term exam. The lecture covered in the second part of the course will be examined in a quiz and the final exam.**

**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, available via WebView ([www:uvic.ca/reco](http://www.uvic.ca/reco)).**

**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.**

**"UVic is committed to promoting, providing and protecting a supportive and safe learning and working environment for all its members".**

## BIOLOGY 329 -LAB SCHEDULE- Spring 2019

WEEK OF	TOPIC
January 7	NO LAB
January 14	Biodiversity of Birds 1 – Loons-Ducks
January 21	Biodiversity of Birds 2 – Birds of Prey-Cranes
January 28	Biodiversity of Birds 3 – Shorebirds-Alcids
February 4	Biodiversity of Birds 4 – Pigeons-Woodpeckers
<u>February 11</u>	<b>Midterm Exam</b> – Quiz and Identification
<u>February 18</u>	Reading Break – No Lab
<u>February 25</u>	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> – Quiz and Identification
April 1	NO LAB

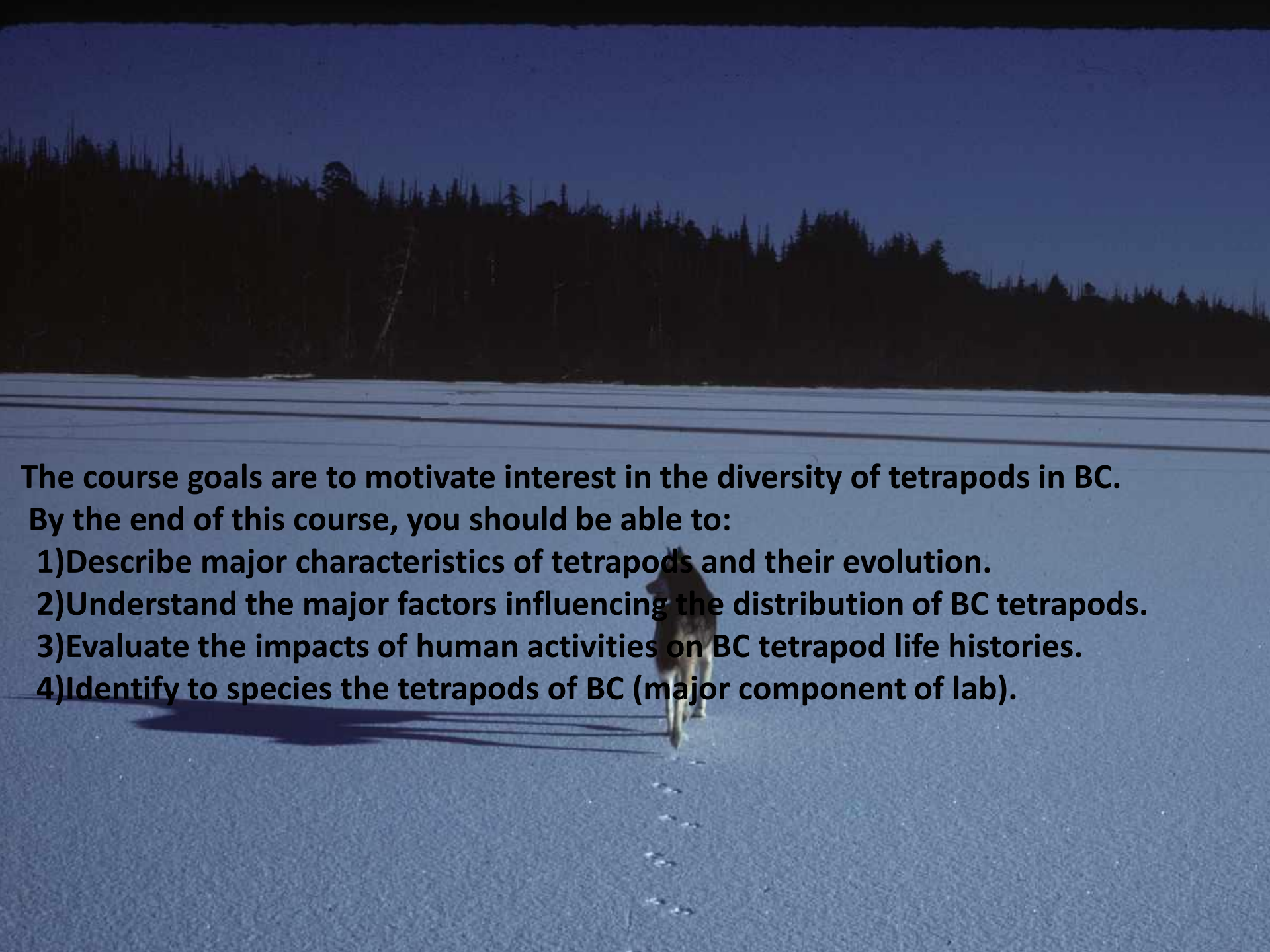
**NOTE:** Amphibians and Reptiles will be a module component in the first 3 labs

Field trips (no marks) TBA

### MARKS

<b>Midterm:</b> Biodiversity Quiz – written exam	5%
<b>Midterm:</b> Identification Exam – open book	20%
<b>Final:</b> Biodiversity Quiz – written exam	5%
<b>Final:</b> Identification Exam – open book	20%
<b>TOTAL</b>	<b>50%</b>





**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 factors influencing the distribution of BC tetrapods.**
- 3) Evaluate the impacts of human activities on BC tetrapod life histories.**
- 4) Identify to species the tetrapods of BC (major component of lab).**