

**BIOLOGY 448 – NEUROETHOLOGY
CRN 10431**

Fall 2020

Department of Biology, University of Victoria

Course Description

Examination of the neural basis of behaviour. Insights into the neuronal organization of behaviour through examination of neural solutions that have evolved in animals to solve problems encountered in their particular environments. Examples in individual species will be used to illustrate how neuronal systems integrate information to shape behaviour in a real-world context. Research papers and seminar presentations based on the primary literature will be emphasized.

Instructors

Lecture: Rossi Marx (zoology@uvic.ca); when you send an email, please put Biology 448 in the message line.

Office hours by appointment.

Tutorials: Brent Gowen (bgowen@uvic.ca) and Lindsay Clark (lclark17@uvic.ca); office hours TBA.

Schedule

Lectures: M, Th:

Assessment Policy

You are responsible for attending lectures and discussions, and for reading the specified papers. Failure to do so can and likely will influence your class performance.

The assignments must be completed fully and on time. **Late assignments will not be accepted,**

UVic academic calendar). Problems with computers or printers are **NOT** considered valid excuses for late assignments.

Except for paper 2 for Biol448 students, assignments are to be prepared by each student independently, even if they are based on collaborative discussions. Please keep in mind that *submitting other people*

Planned Lecture Topics

Communication using Pheromones

Cephalopod behaviour, chemo- and mechanoreception, and learning

Mechanoreception in the Star-Nosed Mole

Neuroethology of Cricket Song

Echolocation in Bats

Academic Regulations and Policies

Please read the appropriate section of the current UVic Academic Calendar regarding your rights and obligations.

Course Experience Survey (CES)

We value your feedback on this course. Towards the end of term, as in all other courses at UVic, you will have the opportunity to complete an anonymous survey regarding your learning experience