BIOLOGY 448 NEUROETHOLOGY
CRN 10385

Fall 2019
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: Nicholas Planidin (nplanidi@uvic.ca); office hours: TBA.

Schedule

Lectures:	M, Th:	1:00 – 2:20 pm	Cun 146
Tutorials:	Th: T01:	2:30 – 3:50 pm	ECS 128
	T02:	4:00 – 5:20 pm	ECS 128
	T03:	5:30 – 6:50 pm	ECS 128
	F: T04	1:30 – 2:50 pm	ECS 128

Readings / Lecture Notes

Library Course Reserves:

Camhi, J.M. 1984. Neuroethology. Sinauer Associates Inc., Sunderland, Mass.

Carew, T.J. 2000. Behavioural Neurobiology. Sinauer Associates Inc., Sunderland, Mass.

Kandel, E.R., Schwartz, J.H., Jessel, T.M., Siegelbaum, S.A., and Hudspeth, A.J. 2013 Principles of Neural Science, 5th tedition. McGraw-Hill Education LLC, New York,

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Class Conduct

We would like to remind students that talking in class, texting, surfing, and reading a newspaper are all irksome to students sitting nearby and to the instructor. We ask that you be mindful of this and treat the people around you with respect and courtesy.

Distribution of Marks

Midterm (Oct. 10)		**20%**
Final Exam (scheduled by Records)		**40%**
Critical Analysis Paper (due Nov. 14, topic due Oct. 28)		**15%**
Presentation (10 min) based on evaluation of paper		**5%**
Tutorials		**20%**
Papers (1 @ 3%, due Sep. 26; 1 @ 7%, due Oct. 24)	(10%)	
Preparation/Participation	(5%)	
Marking Assignment (due Oct. 31)	(5%)	
	Total	**100%**

In order to receive the full preparation marks for the weekly tutorials, you will need to provide, in writing, three points, good or bad, about the paper that is to be discussed each week (no need to elaborate, just the three points will suffice).

Papers

The papers are critical analyses of original research papers dealing with neuroethological topics. Detailed instructions will be provided in class; in brief, your task is to provide points, good or bad, regarding the **science** of the research paper in question, and to support your arguments.

For the format, use 1.5 spacing, Times Roman 12 point font, and 1 inch margins; no title page. Also see 'Writing Scientific Papers', 'How to critically read and analyze a scientific paper', and 'Critical Analyses: things to consider' posted on CourseSpaces.

Tutorial Papers (original paper given)

Paper 1 (3%): 1½ pages,

Academic Regulations and Policies

Please read the appropriate section of the current UVic Academic Calendar regarding your rights and obligations. It is your responsibility to check your records and registration status and to meet the ADD/DROP dates from the UVic calendar; you will not be dropped automatically from the course if you do not attend.

Important dates

On the UVic website you will find a fuller list of important dates, but the ones we have listed below are the ones that will matter to students in Biology 448 and to students wishing to add the course this term.

Wednesday, September 4	First day of classes
Thursday, September 12	**First day of tutorials in Biology 448**
Tuesday, September	