

NROC34: Neuroethology

Winter 2011

Instructor: Prof. A. Mason

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Office: S566

Office hours: Fri. 1-4:00

Lectures: Friday 10:00-12:00

No textbook is required, but if you are keen take a look at:

[Behavioral Neurobiology: The Cellular Organization of Natural Behavior](#)

[Behavioral Neurobiology: An Integrative Approach](#)

Course Policies:

Evaluation = best of:

Weekly Reading	Midterm Test	Final Exam (NOT cumulative)
5%	35%	60%
5%	45%	50%

The midterm and final exam will include material from the readings as well as material covered in lecture. Exams will include multiple-choice questions (which will be computer-graded), matching questions, short answer and/or essay questions. Marks are not deducted for incorrect responses on multiple choice. Bring your University student identification card and an HB pencil to all tests.

Test Policies: Students who miss the midterm for a medical reason may take a make-up exam provided they present a medical certificate, within 2 days of the test, confirming their inability to attend. The certificate must show that a physician was consulted at the time of the illness. Medical certificates will be verified. Students who miss the final exam must petition.

Study tools:

Lectures: All lecture slides are available on the course webpage (link on intranet). It is your responsibility to ensure you have notes for any missed lectures.

Schedule (may change, but you will have advance warning):

Date	Lecture	Topic (some of these may change)	Required Reading**
Jan 14	1.	Introduction: Neuroethology	None
Jan 21	2.	Hearing 1: phonotaxis	See course webpage
Jan 28	3.	Hearing 2: predator avoidance	-
Feb. 4	4.	Hearing 3: selective attention	-
Feb 11	5.	Vision 1: pattern learning	-
Feb 18		Midterm (in class)	
Feb. 25		Reading week (no class)	-
Mar. 4	6.	Vision 2: motion detection	-
Mar. 11	7.	Vision 3: higher-level processing	-
Mar. 18	8.	Olfaction 5: Olfaction	-
Mar. 25	9.	Birdsong: development and control	-
Apr. 1	10.	Pattern Generation (maybe)	-
Apr. 8	11.	Review session	-
Apr 9 – 11	***** STUDY BREAK *****		
Apr 12 – May 1	***** EXAM PERIOD *****		

Readings are linked to the webpage as pdf files. Check this link periodically as topics may be modified (Dr. Mason will announce any changes in lecture).