

Syllabus

NRO C64: Sensory and Motor Systems Winter Term 1999

Instructor: Andrew Weeks
Office Number: S-557
Phone Number: 287-7449
Office Hours: Mon. 11-12 or by appointment
E-mail: weeks@psych.utoronto.ca

Classes are Monday, Wednesday, and Friday 10-11am in Room H-305
Tutorials are Wed. at 12pm in room R-3230 and Friday at 11am in room R-3230.
Note: You must attend the tutorial in which you are registered.

Course Description

This course will provide a detailed exploration of the sensory and motor systems of the brain. We will begin with a review of the neural anatomy associated with these systems and then consider each sensory modality individually along with a consideration of the pain pathways. The course will conclude with a detailed consideration of the brain's motor systems. I hope that you will enjoy learning about this vital and important area of neuroscience.

Textbook "Neuroscience" by Purves et al. (1997).

Evaluation

There will be a **Final Exam** worth 35% of your mark, two **Midterm tests** worth 17.5% each (held in the regular classroom) and 30% for your tutorial mark (includes a presentation, short paper, attendance, and participation). The Midterm tests and Final exam will be 50% multiple choice and 50% short answer. The Final exam will be cumulative but the tests are **NOT** cumulative.

Tutorials

You are required to attend one tutorial each week (Please attend the tutorial in which you are officially enrolled). During this hour each student will present one published research paper to the group. The topics for these papers will be fixed but it will be the students responsibility to find an appropriate paper and clear it with the tutorial leader one week before they present. The topics for each week will mirror those being covered during lectures. Three students will be scheduled each week and a random draw during the first tutorial will decide when each student will present. Each presentation will be 10 minutes long with 5 minutes for questions. One week after each student presents, a brief 3-5 page paper will be due which extends the specific topic presented. This paper should reference 2-5 other papers on the topic and must be written in the format employed by the 'Journal of Neuroscience'. Finally, tutorial attendance is mandatory for those weeks in which you do not present. Attendance and participation during the question period for each presentation will be worth 10% of your final mark. Please attend the first tutorial during the second week of classes for more information on the evaluation of the presentations and papers.

The C64 Webpage

For those who have access to the internet, I will be maintaining a webpage in support of the course. I will do my best to keep it up to date. The page is accessible through the following address: <http://www.scar.utoronto.ca/~weeks/nroc64.htm>

The webpage will include this syllabus, course announcements, and importantly, my lecture notes. Marks will not be posted on the Webpage.

Schedule

Date Week of:	Topic	Book Chapters	Other Events
Jan 4	Introduction	Review 1 & 5	No Tutorial
Jan 11	Somatic Sensory System	8	First Tutorial
Jan 18	Pain and the Eye	9 & 10	Presentations Start
Jan 25	Visual System	11	
Feb 1	Auditory System	12	Term Test #1 (Fri.) <i>Monday Feb 8</i>
Feb 8	Vestibular System	13	Take Up Test #1 (Fri.) <i>Monday Feb 22</i>
Feb 15	R E A D I N G		W E E K
Feb 22	Chemical Senses	14	
March 1	Introduction to Motor Systems	15	
March 8	Spinal Circuitry and Control	16	
March 15	Modulation of Movement	17	Term Test #2 (Fri.)
March 22	Modulation Continued	18	Take Up Test (Fri.)
March 29	Bringing it all together	19	No Tutorials due to Easter No Lecture Friday
April 5	Overflow and Review		No Lecture Monday