CHANNELS, SYNAPSES & HORMONES
PHGY 311
Fall 2017 Course Schedule
M.W.F. 9:35 a.m. – 10:25 a.m.
Location: Leacock 26

Lecturers: Dr. Ellis Cooper (Coordinator), Room 1127, McIntyre, 514-398-4334, ellis.cooper@mcgill.ca
(Office Hrs, 2:00-5:00 pm on Mondays only)

Dr. R. Sharif Naeini, Room 171, Bellini Building, 514-398-5361 reza.sharif@mcgill.ca

Dr. A. Krishnaswamy, Rm 169, Bellini Building, 514-398-8589 arjun.krishnaswamy@mcgill.ca

DATE	LECTURE TITLE	LECTURER
September 6 – October 18	**Ion Channels, Neuronal Excitability, and Synaptic Transmission**	Dr. E. Cooper
Monday, Sept 18 *Friday, Oct 6* *Wednesday, Oct 18*	*Class Test 1* *Class Test 2* *Class Test 3*	
Friday, Sept 29	*Term paper topics posted on myCourses for review*	
Friday, October 6	*Sign up begins at 1:30p.m on myCourses* *(see page 2 for more details).*	
Sunday, November 12	*Term Paper submitted by midnight on myCourses*	
Oct. 20 – Nov. 17	**Mechanosensory transduction and pain**	Dr. R. Sharif Naeini
Wednesday, Nov 1 *Friday, Nov 17*	*Class Test 4* *Class Test 5*	
Nov. 20 – Dec. 1	**Signaling in the retina**	Dr. A. Krishnaswamy
Friday, December 1	*Class Test 6*	

TERM PAPER: Due on Sunday, November 12 submitted by midnight on myCourses

A term paper based on the scientific article(s) provided by either: Dr. Cooper, Dr. Sharif Naeini or Dr. Krishnaswamy. The term paper must be no longer than 5 typed pages, 12pt, double-spaced with 1 inch margins (or 2 pages DOUBLE SIDED) and must represent your own work. Figures and reference can be appended to the 5 pages. **Students must work in pairs** and both students in the pair will receive the same mark. Only one assignment is to be submitted on myCourses.

The term paper topics will be available on *myCourses* for your review on Friday, September 29. ***SIGN UP on myCourses*** will begin on Friday, October 6 at 1:30pm. **ONLY ONE of the partners** must sign up for the topic you wish to write about. When one third of the class has signed up for a particular paper, it will be closed. INSTRUCTIONS on how to sign up will be provided on *myCourses*.

DATES OF CLASS TESTS

Test #1: ***Monday, Sept 18***

Test #2: ***Friday, Oct 6***

Test #3: ***Wednesday, October 18***

Test #4: ***Wednesday, Nov 1***

Test #5: ***Friday, November 17***

Test #6: ***Friday, December 1***

Grading Scheme

Term mark: 35% - [Class test: 22% - 6 class tests **AND** ***Term paper: 13%]***

Final Exam: 65% - This will cover the entire course

OR

Term Mark: 25%

Final Exam: 75% - This will cover the entire course

NOTE:

- Once the mark for the test has been posted on *myCourses*, you will have up to 1 week to review your test for any discrepancies in marking. After one week, the mark for the test will not be changed.
- If you miss any of the class tests, ***you MUST BRING a doctors' note or other supporting document to the main office, room 1021 McIntyre Building within 2 weeks of the test date. If a legitimate note is not provided, you will receive a mark of zero.***
- ***If you miss 2 or more class tests for legitimate reasons, then you will have the option of writing a make-up test or have the final exam worth 85%.***

McGill University values academic integrity. Therefore all students must understand the meaning and consequences of cheating, plagiarism and other academic offences under the Code of Student Conduct and Disciplinary Procedures (see http://www.mcgill.ca/students/srr/honest/ for more information)
Every student has the right to write term papers, examinations, and theses in English or French, except in courses where knowledge of the language is one of the objectives of the course.
In the event of extraordinary circumstances beyond the University's control, the content and/or evaluation scheme in this course is subject to change.

DEFERRED/SUPPLEMENTAL EXAM
Usually essay format and covers the entire course. Permission to write this exam must be obtained from the Associate Dean of Science. (Please contact Service Point for more info.)

COURSE EVALUATION
The course evaluation will be made available through Minerva in November. More details will be given in class.

REFERENCE LIST

Required Texts:
Kandel, Eric R., et al. Principles of Neural Science, 5/e. New York: McGraw-Hill, 2012.

Hardcopies can be purchased at the bookstore.

Recommended References:
-Nicholls, John G., et al. From Neuron to Brain, 5th ed. Sunderland, Massachusetts: Sinauer Associates, Inc., 2012

PLUS: Any web-based articles assigned during class

NOTE: All texts are on reserve at the Life Science Library, 3rd floor, McIntyre Medical Building