

**PHYSIOLOGY SEMINAR
PHGY 459D1
Fall 2017 Course Schedule**

*Mondays 1:35pm-3:25pm
McIntyre Medical Building, Room 1019*

Coordinator: Dr. Alvin Shrier, Room 165 Bellini Bldg, 514-398-2272, alvin.shrier@mcgill.ca
Dr. John Hanrahan, Room 1016A McMed0, 514-398-8320, john.hanrahan@mcgill.ca

<u>Date</u>	<u>Topic</u>	<u>Lecturer</u>
Sept. 11	Introduction	Dr. A. Shrier/Dr. J. Hanrahan
Sept. 18, 25, Oct. 2	Synaptic Competition	Dr. M. Cohen
Oct. 09	<i>Thanksgiving- no class</i>	
Oct. 16, 23	Ion Channels: Structure, Trafficking and Disease	Dr. G. Lukacs
Oct. 30 – Nov. 6	Nuclear Receptors in Human Physiology	Dr. J. White
Nov. 13	Grant Summary Session	Dr. A. Shrier/ Dr. J. Hanrahan
Nov. 20, 27, Dec. 4,	Advanced Light Microscopy	Dr. C. Brown

GUIDELINES

Students are expected to read all papers thoroughly before coming to class. (The papers are available on *myCourses* about a week before each seminar). The overall approach is to go over, in a collegial manner, the objectives, methods, results and discussion points in these articles, in a round-table format. The underlying philosophy is that students can learn from each other, and help each other out with more difficult points.

Students will be selected at random to present a part of a paper to the class (hence, the requirement to read the entire paper carefully.) This presentation will not be a formal monologue. During this presentation, questions will be asked of the presenter, and observations will be made by the other students, or by the instructor. As mentioned above, this form of interaction is often the most valuable part of the course.

Weekly marks for participation will be based on:

- 1) Presentations of the sections of the paper given by the student (please, no transparencies, PowerPoint presentations, etc...) and on the student's observations and response to questions on that part of the paper.
- 2) Questions and observations made by the student during the presentations of other students

EVALUATION

Class Participation	50% (25% per semester)
In-class tests	20% (10% per semester)

Research Grant (winter session)

Oral presentation (summary page of grant)	10%
Full length grant application	20%

Class Participation:

The mark will be based upon overall contribution to the seminar sessions. This includes the presentation of material, critical assessment, general discussion and creative contribution.

In-class test:

The class tests will consist of research oriented questions based upon material covered in the first and second semesters. They will be held at the end of the fall & winter sessions.

Research Grant:

Orientation: In the fall session, there will be an initial session at the end of September with Dr. Hanrahan and Dr. Shrier to orient students on the writing of research grants.

Summary page and oral presentation: A one-page written summary of the proposal is due by 4 pm on the first day of classes in the Winter semester (Jan 8). Oral presentations of the research proposals will take place during the first 3 weeks of the winter semester (Jan 8, 15 and 22). Students will sign up on *myCourses* for the presentation date—more info about this sign up will be given in November. The oral presentation will involve a 20-30 minute elaboration of the summary page of the proposed grant application (background, hypothesis, specific aims, research plan (experiments and methods), expected results, potential pitfalls and alternative strategies).

Research application: The application should be completed as though it were being submitted to the Canadian Institutes for Health Research (CIHR), the main government health sciences-related funding agency.

McGill University values academic integrity. Therefore, all students must understand the meaning and consequences of cheating, plagiarism and other academic offenses under the code of Student Conduct and Disciplinary Procedures (see www.mcgill.ca/student/srr/honest/ for more information).

The Department of Physiology will not tolerate any academic offenses with regard to cheating and plagiarism. See “Student Rights and Responsibilities” at www.mcgill.ca/statutes for details)

Every student has the right to write term papers, examinations, and these 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.

© Instructor generated course materials (e.g., handouts, notes, summaries, exam questions, etc.) are protected by law and may not be copied or distributed in any form or in any medium without explicit permission of the instructor. Note that infringements of copyright can be subject to follow up by the University under the code of Student Conduct and Disciplinary Procedures.