

ADVANCED, APPLIED CARDIOVASCULAR PHYSIOLOGY
Experimental Medicine
EXMD-506

COURSE OUTLINE FALL 2019

1. SUBMISSION OF TERM PAPER

Objectives: To familiarize the students with original papers in the field of Cardiovascular Physiology, and to provide them with an opportunity to write a critical scientific review on a topic of their choice.

Topic: Any subject related to the lecture topics of the course is acceptable. It is recommended that each student consult the lecturer that you were assigned in the first class on the suitability of the topic before proceeding in depth with the paper.

Material: Each student should read at least 7 original papers on the chosen topic, and then write a critical review on that material. Do not simply summarize what you have read.

Originality: All the material in the term paper which has been quoted from other works must be identified either by quotation marks or by suitable references.

Length: 10-15 double-spaced, single-sided pages, not counting Figures, Figure Legends, Tables and References.

Mark: The term paper is worth 30% of the final mark.

Deadline: Deadline: **Wednesday, November 27th, 2019**. Submit the paper

- (i) As an email attachment to the Professor you did the paper presentation with, and cc Patricia Hales patricia.hales@mail.mcgill.ca on the email. **The deadline is midnight November 27th, 2019.**
- (ii) In the event that you wish to submit a hard copy, please make sure you notify Patricia Hales by e-mail in advance. The **penalty** for late submission will be a **deduction of 3 marks per day from the original mark** given and **no exceptions will be made.**

2. STUDENT PRESENTATIONS

Students will select a partner or partners as the case may be, to present the research paper assigned to them by Dr. Schwertani. Presentation should be about 30 - 40 minutes, shared between the partners, before the whole class, after which there is a question period and discussion. The papers are chosen by the lecturers; the number of presentations will depend on class size. Presentations will likely begin Wednesday, September 18th. All students receive copies of the papers; PDF files of the papers will be posted on the course web site. The lecturer and Dr. Schwertani will be present. Students are encouraged to contact the lecturer who chose the paper to be presented by them. The aim is to encourage participation on the various topics of the course, and to have more interactions between students, and between students and lecturers. The presentation is worth 15% of the total mark, and a further 5% marks is allocated for attendance and participation at these sessions. It is vital that the whole class be present, to ask questions and to participate in discussion.

All **lectures will be held in The Education Building at McGill in room 437 (3700 Mc Tavish St, Montreal – might change)**. Electronic projection for students using PowerPoint is available.

3. FORMAT OF THE FINAL WRITTEN EXAMINATION

The final 3-hour examination accounts for 50% of the mark for the course. The examination will consist of two parts: Part A - 12 compulsory short answer questions covering all lectures, worth 60% of the exam mark, and Part B – any 2 out of 12 essay questions, worth 40% of the exam mark

Final exam date: TBD

In accord with McGill University's Charter of Students' Rights, students in this course have the right to submit in English or in French any written work that is to be graded. This does not apply to courses in which acquiring proficiency in a language is one of the objectives.

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 www.mcgill.ca/students/srr/honest/ for more information).

**ADVANCED CARDIOVASCULAR PHYSIOLOGY:
EXPERIMENTAL MEDICINE EXMD-506
SCHEDULE OF LECTURES FALL 2019**

**LECTURES: Wednesday, 3:30-5:30 p.m. Room 437
The Education Building (Might change)**

**Followed by 1 HOUR STUDENT PRESENTATIONS
In the same room, 5:30-6:30 p.m. beginning September 18th**

1	September 04	Short Introductory Class Meeting followed by: adel.schwertani@mcgill.ca	Adel Schwertani 514-934-1934 ext 43841
	September 11	Role of Endothelium in the Control of Blood Flow adel.schwertani@mcgill.ca	Adel Schwertani 514-934-1934 ext 43841
2	September 18	Heart-Rate Variability michael.r.guevara@mcgill.ca	Michael Guevara 514-398-4320
3	September 25	Ions, Channels and Cardiac Electrophysiology alvin.shrier@mcgill.ca	Alvin Shrier 514-398-2272
4	October 2	Ischemic revascularization dandona.cardio@gmail.com	Sonny Dandona 514-934-1934 ext 36151
5	October 9	Pathophysiology-Directed Management of Mitral Regurgitation benoit.devarennnes@muhc.mcgill.ca	Benoit De Varennes 514-934-1934 ext 34980
6	October 16	Pathophysiology of congenital Heart Disease Nataliebottega@yahoo.ca	Natalie Bottega 514-934-1934 ext 37061
7	October 23	Hyperlipidemia and Coronary Artery Disease jacques.genest@mcgill.ca	Jacques Genest 514-934-1934 ext 34642
8	October 30	Regulation of Pulmonary Vascular Tone adel.schwertani@mcgill.ca	Adel Schwertani 514-934-1934 ext 43841
9	November 6	Advances in Cardiovascular imaging matthias.friedrich@mcgill.ca	Matthias Friedrich 514-934-1934 ext 62800
10	November 13	Biomedical Engineering and Heart Repair dshumtim@yahoo.ca	D. Shum Tim 514-934-1934 ext 36873 (secretary) ext 34532 (office)
11	November 20	Atherosclerosis: Prevention and Treatment adel.schwertani@mcgill.ca	Adel Schwertani 514-934-1934 ext 43841

Course Conveners: Dr. Adel Schwertani and Dr. Sonny Dandona, Cardiology,
Department of Medicine, Glen Site 514-934-1934 ext: 43841.

Course Evaluation: EXMD-506 FALL 2019

Rating out of 5

<u>Lecturer</u>	Category A: <i>Lecturer communicated material effectively</i>	Category B: <i>Assigned reading and references provided beneficial</i>	Category C: <i>Lecturer available outside class</i>	Category D: <i>Time allotted to topic sufficient</i>	Category E: <i>Will recommend course to fellow student</i>	AVERAGE
Alvin Shrier						
Michael Guevara						
Sonny Dandona						
Dominique Shum-Tim						
Nathalie Bottega						
Matthias Friedrich						
Benoit De Varennes						
Jacques Genest						
Adel Schwertani						