

**ADVANCED CARDIOVASCULAR PHYSIOLOGY:
EXPERIMENTAL MEDICINE EXMD-506
SCHEDULE OF LECTURES FALL 2017**

**LECTURES: Wednesday, 3:45-5:45 p.m. Room
EM1.2225 The McGill University Health Centre, Glen Site**

**Followed by 1 HOUR STUDENT PRESENTATIONS
In the same room, 5:45-6:45 p.m. beginning September 20th**

1	September 06	Short Introductory Class Meeting followed by:	Adel Schwertani 934-1934 ext: 43841
2	September 13	Role of Endothelium in the Control of Blood Flow adel.schwertani@mcgill.ca	Adel Schwertani 934-1934 ext: 43841
3	September 20	The Specialized Conduction System of the Heart michael.guevara@mcgill.ca	Michael Guevara 398-4320
4	September 27	Ions, Channels and Cardiac Electrophysiology alvin.shrier@mcgill.ca	Alvin Shrier 398-2272
5	October 04	Advances in Cardiovascular imaging Matthias.friedrich@mcgill.ca	Matthias Friedrich 9341934: ext: 62800
6	October 11	Ischemic revascularization sonny.dandona@mcgill.ca	Sonny Dandona 934-1934 ext: 36151
7	October 18	Regulation of Pulmonary Vascular Tone adel.schwertani@mcgill.ca	Dr. Adel Schwertani 934-1934 x 43841
8	October 25	Hyperlipidemia and Coronary Artery Disease jacques.genest@muhc.mcgill.ca	Jacques Genest 934-1934 ext: 34642
9	November 01	Biomedical Engineering and Heart Repair dshumtim@yahoo.ca	D. Shum-Tim 934-1934 ext: 42839
10	November 08	Pathophysiology-Directed Management of Mitral Regurgitation Benoit.devarennnes@muhc.mcgill.ca	Benoit de Varennes 934-1934 ext: 34980
11	November 15	Pathophysiology of congenital Heart Disease Nataliebottega@yahoo.ca	Natalie Bottega 9341934 ext: 37061
12	November 22	Atherosclerosis: Prevention and Treatment adel.schwertani@mcgill.ca	Adel Schwertani 934-1934 ext: 43841

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

**ADVANCED, APPLIED CARDIOVASCULAR PHYSIOLOGY Experimental
Medicine EXMD-506**

GUIDELINES FALL 2017

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: Wednesday, November 29, 2017.

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 29th, 2017.**
- (ii) In the event that you wish to submit a hard copy, please make sure you notify Patricia Hales by e-mail.

The penalty for late submission will be a deduction of 3 marks per day from the original mark given and no exception 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 20st. 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 are 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 at the MUHC Glen Site, Room B02.6851. 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..

4. Attendance

Attendance is worth up to **5%**.