

MEDICINE 570/PATHOLOGY 570

COURSE OVERVIEW

Course Description

Medicine 570/Pathology 570 provides an overview of current topics in cardiovascular physiology and pathophysiology at an advanced level suitable for graduate students majoring in Experimental Medicine, Pathology, Physiology, Medicine or related fields. A series of lectures given by local experts will introduce fundamental concepts of cardiovascular physiology and pathophysiology, all of which will be presented in a related and integrative manner. Specific topics will include cardiac and vascular structure including microvascular function, myocardial metabolism, contractile function of the heart, dyslipidemia, diabetes mellitus, its effect on the heart, and the metabolic syndrome, atherosclerosis including transplant vascular disease, cardiac function & inflammatory disease states, ischemic heart disease, cardiac hypertrophy, heart failure, heart muscle disease including myocarditis, cardiovascular signaling pathways, and HIV and cardiovascular disease. Physiological abnormalities caused by pathological changes will be highlighted.

Course Coordinators: Dr. Honglin Luo 604-682-2344 x62847 honglin.Luo@hli.ubc.ca
Dr. Michael Allard 604-806-9292 mike.allard@pathology.ubc.ca

Education Coordinator/Course Web Administrator: Ivan Leversage 604-682-2344 x64005
Ivan.leversage@hli.ubc.ca

Course Organization

Lectures will be held in the Gourlay Conference Room at St. Paul's Hospital on Wednesday afternoons (2:00-4:00PM) in the Winter Session (Term 2). The lectures are informally didactic with an emphasis on student participation and interaction. In order to facilitate an interactive environment and enhance the overall learning experience, students will be expected to complete the Required Reading material and answer the Reading Questions prior to each lecture (see below for further details).

Course Material

For each lecture, students will be provided a synopsis of the lecture, required reading, related reading questions, and supplemental reading for those students interested in obtaining additional information on a given topic. Students will be provided with a handout(s) for each lecture.

Course Evaluation

Student evaluation is based upon Reading Questions (30%) and a Final Examination (70%). Prior to each session, students are expected to have answered TWO short answer-type Reading Questions related to the Required Reading. The answers must be handed in at the beginning of the class and will be graded on 0/1 basis. A mark of 1 will be given for satisfactorily completed answers, while a 0 will be given if answers are unsatisfactory. **LATE ASSIGNMENTS WILL NOT BE ACCEPTED.** On the Final Examination, students will be expected to answer a number of multiple choice questions and essay-type questions. The students will be able to choose the essay questions from a selection of questions.