

The instructor and university reserve the right to modify elements of the course during the term. The university may change the dates and deadlines for any or all courses in extreme circumstances. If either type of modification becomes necessary, reasonable notice and communication with the students will be given with explanation and the opportunity to comment on changes. It is the responsibility of the student to check their McMaster email and course websites weekly during the term and to note any changes.

2009-2010

**Med Phys 4XX3/6XX3
HUMAN BIOLOGY FOR PHYSICAL SCIENTISTS**

(Term 1)		G. PARISE IWC AB119
C01 , WED: 12:30–14:20	GS-102	
T01 , THU: 11:30–12:20	MDCL-1116	<i>Email:</i> pariseg@mcmaster.ca <i>Ext.:</i> 27353

This course has been especially designed for students in the Physical Sciences who require an overview of the functioning of the human body. The purpose of the course is to develop an UNDERSTANDING of human anatomy and physiology. We will examine all major biological systems focusing on both structure and function. Significant emphasis will be put on integration of concepts and systems. By the end of this course it is expected the student will be able to solve physiological problems using deductive reasoning and critical thinking.

Evaluation: Your final grade will be determined by the following weight distribution:

Test #1	15
Test #2	15
Final	50
Participation	<u>20</u>
Total	100

Note 1: There will be no make-up tests. Absence from a test requires notification from the Associate Dean of Studies' Office, otherwise a grade of zero will be recorded for the missed test. With proper documentation and acceptance by the Associate Dean of Studies' Office your final grade calculated from the remaining proportion of marks.

Note 2: Attention is drawn to the Statement on Academic Ethics and the Senate Resolutions on Academic Dishonesty as found in the Senate Policy Statements distributed at registration and available in the Senate Office. Any students who infringe one of these resolutions will be treated according to the published policy.

MEDICAL PHYSICS 4XX3/6XX3

Human Biology for Physical Scientists

Textbook

This is a 3 unit introductory course trying to cover aspects of both function and structure. The basic concepts and information can be gathered from any anatomy and physiology text. A number of anatomy and physiology textbooks can be found on reserve in the Health Sciences Library. Any one of the following will be adequate.

Guyton and Hall (the big Guyton). Textbook of Medical Physiology

Guyton and Hall (the little Guyton). Human Physiology and Mechanisms of Disease

Vander, Sherman and Luciano. Human Physiology

Rhoades and Tanner. Medical Physiology

Marieb. Human Anatomy and Physiology

Tortora and Grabowski. Principles of Anatomy and Physiology

Seeley, Stephens and Tate. Anatomy and Physiology

Sherwood. Fundamentals of Physiology - A human perspective.

Policy Reminder

Attention is drawn to the Statement of Academic Ethics and the Senate Resolutions on Academic Dishonesty as found in the Senate Policy Statements distributed at registration and available in the Senate Office. Any student who infringes one of these resolutions will be treated according to the published policy.

Academic dishonesty consists of misrepresentation by deception or by other fraudulent means and can result in serious consequences, e.g. the grade of zero on an assignment, loss of credit with a notation on the transcript (notation reads "Grade of F assigned for academic dishonesty"), and/or suspension or expulsion from the university.

It is your responsibility to understand what constitutes academic dishonesty. For information on the various kinds of academic dishonesty please refer to the Academic Integrity Policy, specifically Appendix 3, located at:

http://www.mcmaster.ca/senate/academic/ac_integrity.htm

The following illustrates only three forms of academic dishonesty:

1. Plagiarism, e.g. the submission of work that is not one's own or for which credit has been obtained.
2. Improper collaboration in group work.
3. Copying or using unauthorized aids in tests and examinations