

THE UNIVERSITY OF BRITISH COLUMBIA

COURSE OUTLINE

Course: HKin191 (101)

Course Title: Functional Anatomy and Applied Physiology II

Department/Program: School of Human Kinetics

Year: 2007 (winter, term 2)

Times: Lectures: Mon and Wed 10:00 - 11:00

Labs: Mon - Thu, 14:00 - 16:00; Fri 8:00 - 10:00

Location(s): Lectures: IRC 1

Labs: Osborne I, room 203 a, b

Instructor: Dr. Jim Rupert

Office location: Wesbrook Building, rm. 346

Office phone: (604) 822-8462

Office hours: TBA

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Teaching Assistants: Pei Wang, Cynthia Thomson

Office location: TBA

Office phone: TBA

E-mail address*: TBA

***Important: include "HKin 191" in the subject line of ALL E-mails.**

Course Description: Structure, function, and regulation of the digestive, endocrine, renal, lymphatic, cardiovascular, and pulmonary systems with an emphasis on applied and exercise physiology. This course complements HKin190, in which the remaining systems (excluding the reproductive system) are covered.

Learning objectives - lectures: Students are expected to learn the functions of the various organs that comprise the systems covered in the course, how these functions are regulated, and how the functions and regulation of the various systems are integrated in the whole organism. Students should acquire a basic understanding of how these systems are regulated during exercise and some of the pathological consequences of system failure.

Learning objectives - labs: Students are expected to learn the basic, gross anatomy of the organs and blood vessels related to the systems covered in the course. The anatomical material and some relevant functional or pathological anatomy related to exercise or sports performance will be covered in the labs. Other material covered in the labs includes basic anatomical nomenclature, body planes and sections, and a short introduction to medical imaging techniques.

Prerequisites and/or Course Restrictions: HKin190 is advised

Format of the course: Two 1 hour lectures and one 2 hour lab per week.

Textbook: Tortora and Derrickson *Principles of Anatomy and Physiology* 11th ed. Additional lecture and lab material will be available on-line (Web-CT)

Grading:

Lab material: there is lab midterm and a lab “final”, worth 15% and 30% respectively. The lab final will cover **all** material covered in the lab section of the course. Both lab exams will be held during the regular lab periods.

Lecture material: there is a lecture midterm (same day a lab midterm) worth 10% and a lecture final worth 35%. Time and place of the lecture final will be set by the University.

Quizzes: there are five on-line (Web-CT) quizzes worth 2% each (total 10%). These can be done anywhere and are designed to encourage students to keep up with the lecture material. Each quiz is only available for a specific period (about two weeks). Details and schedule are available on the Web-CT site.

Course Schedule: see Web-CT site for lecture and lab schedules