BIOM20002 Human Structure and Function

Credit Points:	25
Level:	2 (Undergraduate)
Dates & Locations:	2011, Parkville This subject commences in the following study period/s: Semester 2, Parkville - Taught on campus. Lectures, practicals, computer-aided learning workshop
Time Commitment:	Contact Hours: six x 1 hour lectures, one x 2 hour Computer-aided learning workshop (for 12 weeks) + 3 additional 2 hour sessions and one x 3 hour practical (for 7 weeks) per week Total Time Commitment: Not available
Prerequisites:	Prerequisites:

Subject	Study Period Commencement:	Credit Points:
BIOL10002 Biomolecules and Cells	Semester 1	12.50
BIOL10003 Genes and Environment	Semester 2	12.50
CHEM10006 Chemistry for Biomedicine	Semester 1	12.50

Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	Non allowed subjects:

Subject	Study Period Commencement:	Credit Points:
ANAT20006 Principles of Human Structure	Semester 1, Semester 2	12.50

Integrated Human Physiology

Core Participation Requirements:	This subject requires active participation in laboratory research. Students who feel that their disability may impact upon their active and safe participation in the subject are encouraged to discuss this with the unit coordinator and the Disability Liaison Unit: http://www.services.unimelb.edu.au/disability/
Coordinator:	Prof Mark Hargreaves
Contact:	**m.hargreaves@unimelb.edu.au (mailto:m.hargreaves@unimelb.edu.au)** Administrative Coordinator: Ms Lesley Robinson **lesleyr@unimelb.edu.au (mailto:lesleyr@unimelb.edu.au)**
Subject Overview:	The subject introduces students to the organisation and function of the human body. General principles of anatomy, basic embryology and the characteristics of the major tissues and organs are covered. The concept of homeostasis, neural and humoral control systems and aspects of oxygen transport, digestion and metabolism, acid-base and fluid balance and temperature regulation are studied. Foundations of pharmacology, receptor-ligand interactions and principles of drug action are covered.
Objectives:	Upon completion of this subject, students should have an understanding of normal structure and function of the human body, the general principles of anatomy, the concept of homeostasis and the operation of the key organ systems that maintain it, and basic principles of pharmacology and drug action.

Assessment:	Written laboratory report (1000 words, 10%); Two tests during semester (20% total, 10% each); and Two 2-hr end of semester exams (70% total, 35% each)
Prescribed Texts:	Eizenberg, N., C. Briggs, C. Adams & G. Ahern. General Anatomy: Principles and Applications.Sydney: McGraw-Hill, 2007.Silverthorn, D.U. Human Physiology: An Integrated Approach. San Francisco: Pearson, 2007.
Breadth Options:	This subject is not available as a breadth subject.
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Generic Skills:	Upon completion of this unit, students should have developed: # analytical and problem-solving skills # oral and written communication skills # collaborative learning in practicals and computer-aided workshops # skills in observation, interpretation, critical analysis and report writing # capacity to integrate knowledge from multiple sources
Notes:	This subject is only available to students enrolled in the Bachelor of Biomedicine. Students are expected to have regular access to an internet-enabled computer. Students are expected to be familiar with word processing, data management and graphical software packages and to be competent in electronic search techniques. This subject is not available for incoming exchange or as cross institutional study.
Related Course(s):	Bachelor of Biomedicine