BIOM20002 Human Structure and Function

Credit Points:	25
Level:	2 (Undergraduate)
Dates & Locations:	2016, Parkville This subject commences in the following study period/s: Semester 2, Parkville - Taught on campus.
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: 340hrs
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

Subject	Study Period Commencement:	Credit Points:
PHYS20008 Human Physiology	Semester 1, Semester 2	12.50

Core Participation Requirements:	For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Student Support and Engagement Policy, academic requirements for this subject are articulated in the Subject Overview, Learning Outcomes, Assessment and Generic Skills sections of this entry. It is University policy to take all reasonable steps to minimise the impact of disability upon academic study, and reasonable adjustments will be made to enhance a student's participation in the University's programs. Students who feel their disability may impact on meeting the requirements of this subject are encouraged to discuss this matter with a Faculty Student Adviser and Student Equity and Disability Support: http://services.unimelb.edu.au/disability
Coordinator:	Assoc Prof Jenny Hayes, Prof David Alan Williams
Contact:	**Subject Coordinators** Prof David Alan Williams **d.williams@unimelb.edu.au (mailto:d.williams@unimelb.edu.au)** Dr Jenny Hayes **j.hayes@unimelb.edu.au (mailto:j.hayes@unimelb.edu.au)** Administrative Coordination

	BiomedSci-AcademicServices@unimelb.edu.au (mailto:BiomedSci-AcademicServices@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.
Learning Outcomes:	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, 6 th Ed. 2013.
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. B-BMED students who fail this subject with a mark of 45-49%, who do not fail any other subjects in the same semester may be eligible for a progression supplementary exam for this subject in line with the **Assessment Procedure (https://policy.unimelb.edu.au/MPF1026)** (point 15). Students will be contacted via email by the University Results final release date if they are eligible.
Related Course(s):	Bachelor of Biomedicine
Related Majors/Minors/ Specialisations:	Zoology