

536-211 Physiology:Control of Body Function

Credit Points:	12.500
Level:	Undergraduate
Dates & Locations:	2008, This subject commences in the following study period/s: Semester 2, - Taught on campus.
Time Commitment:	Contact Hours: 36 lectures, 24 hours of computer-aided learning Total Time Commitment: 120 hours
Prerequisites:	Physiology 536-201.
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
Core Participation Requirements:	It is University policy to take all reasonable steps to minimise the impact of disability upon academic study and reasonable steps will be made to enhance a student's participation in the University's programs. Students who feel their disability may impact upon their active and safe participation in a subject are encouraged to discuss this with the relevant subject coordinator and the Disability Liaison Unit.
Coordinator:	Prof D Williams; Dr S Gauci
Subject Overview:	Physiology is an integrative study of the control of normal body function. Following completion of this subject students should be able to build on the basic knowledge gained in first semester's 536-201 Principles of Physiology by comprehending how the integrated endocrine, paracrine and autocrine and neuronal processes within the body ultimately controls its function. Students should gain this knowledge through an in-depth consideration of the various processes that together sustain and modulate body function including control of the central nervous, respiratory, renal, reproductive, muscular and cardiovascular systems. Students should also gain an understanding into the basic structure and function of the brain and its regulatory processes and in particular its interactions with body systems in helping maintain homeostasis. Included will be an introduction to the physiology of vision, hearing and taste and consideration of the processes that control balance, posture and movement. The lectures will incorporate active interaction between students and lecturers using personal response system (PRS) clickers to answer questions during lectures. In the computer-aided learning sessions associated with this subject, students will work in groups on a variety of tasks which should help develop and enhance skills related to team work, analytical reading and the ability to communicate information both concisely and unambiguously (written and verbal).
Assessment:	Tasks related to computer-aided learning activities during the semester (10%); two 45-minute written examinations held mid-semester (each 15%); effective PRS participation and contributions (5%); a 2-hour written examination in the examination period (55%). The written examination may draw upon materials taught in 536-201.
Prescribed Texts:	None
Breadth Options:	This subject is a level 2 or level 3 subject and is not available to new generation degree students as a breadth option in 2008. This subject or an equivalent will be available as breadth in the future. Breadth subjects are currently being developed and these existing subject details can be used as guide to the type of options that might be available. 2009 subjects to be offered as breadth will be finalised before re-enrolment for 2009 starts in early October.
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Notes:	Students enrolled in the BSc (pre-2008 BSc), BASc or a combined BSc course will receive science credit for the completion of this subject.

Not available for students enrolled in BBiomedSc.

This subject builds upon the physiological principles and systems introduced in 536-201 Principles of Physiology. The combination of 536-211, 536-201 Principles of Physiology, and the practical subject 536-222 Experimental Physiology forms the minimum requirement for selection into third-year physiology. 536-233 Research-based & Integrative Physiology is also desirable for good preparation for 300-level physiology.