PHYS90007 Principles of Physiology

Credit Points:	12.50
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	This subject is not offered in 2013.
Time Commitment:	Contact Hours: 50 hours: three x 1-hour lectures per week, and 14 hours of tutorials and seminars across the semester. Total Time Commitment: 120 hours
Prerequisites:	Pre-requisite: **Subject** / **Study Period Commencement:** / **Credit Points:** GENE90019 Genes Molecules and Cells / Not offered 2013 / 25
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	Students who have completed second year level subjects in **Integrative Human Physiology** or **Integrated Human Structure & Function** or their equivalents can not take this subject.
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.
Contact:	Academic Coordinator **sevignyc@unimelb.edu.au (mailto:sevignyc@unimelb.edu.au)** Administrative Coordinator Ms Lesley Robinson **BiomedSci-AcademicServices@unimelb.edu.au (mailto:BiomedSci-AcademicServices@unimelb.edu.au)**
Subject Overview:	This unit provides an overview of physiology - the integrative study of normal body function. It has a particular focus on homeostasis and the neural and endocrine control of the cardiovascular, respiratory, renal, muscular, gastrointestinal and reproductive systems. The subject considers both human physiology and the powerful insights derived from comparative animal physiology.
Objectives:	Upon completion of this unit, students should: # understand the neural and endocrine control organ systems and their involvement in specialised body functions; # comprehend how these system interact to maintain a constant internal environment (homeostasis); # have the capacity to integrate outputs from physiological and genomic research to further understand normal body function; and # appreciate the experimental bases of contemporary physiology and the lessons learned from comparative animal physiology.
Assessment:	Two 50 min intra-semester tests (30%), written tasks associated with tutorials and seminars – 4000 words total (20%) and 2 hr written examination in final examination period (50%)
Prescribed Texts:	Silverthorn, D.U. Human Physiology: An Integrated Approach 5th Ed., 2010 - Pearson

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:	Students should develop and enhance skills related to problem solving, team work, critical analysis of scientific literature and written and oral communication of scientific concepts.
Related Course(s):	Master of Science (Bioinformatics)