

## 536-234 Integrative Human Physiology

<b>Credit Points:</b>	12.50
<b>Level:</b>	2 (Undergraduate)
<b>Dates &amp; Locations:</b>	2009, This subject commences in the following study period/s: Semester 1, - Taught on campus. Semester 2, - Taught on campus.
<b>Time Commitment:</b>	Contact Hours: three x 1 hour lecture and one x 2 hour computer aided learning tasks (supervised and independent) per week Total Time Commitment: 60 contact hours with an estimated total time commitment of 120 hours
<b>Prerequisites:</b>	2 semesters of 1st year Biology and 1 semester of any 1st year quantitative science subject eg. Chemistry, Physics, Maths, Psychology
<b>Corequisites:</b>	None
<b>Recommended Background Knowledge:</b>	None
<b>Non Allowed Subjects:</b>	Integrated Human Structure & Function
<b>Core Participation Requirements:</b>	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. This subject requires all students to actively and safely participate in laboratory activities. Students who feel their disability may impact upon their participation are encouraged to discuss this with the subject coordinator and the Disability Liaison Unit.
<b>Coordinator:</b>	Prof David Alan Williams
<b>Subject Overview:</b>	Physiology is an integrative study of the control of normal body function. The specialised organ systems to be studied include the nervous, cardiovascular, muscular, respiratory, kidney and digestive systems. During this subject students will learn that physiology is an experimental science with many key concepts arising from qualitative and quantitative observation and analysis of living organisms. The lectures will incorporate active interaction between students and lecturers using personal response system (PRS) clickers to answer questions during lectures.
<b>Objectives:</b>	Following completion of this subject, students should understand how hormonal, neural and organ systems subserve specialised body functions. Students should comprehend how the body systems act and interact to maintain a constant internal environment (homeostasis).
<b>Assessment:</b>	Effective personal response system (PRS) participation and contributions (5%); Tasks related to computer-aided learning activities during semester (15%); two 45-minute written examinations held during semester (30%); a 2-hour written examination in the examination period (50%).
<b>Prescribed Texts:</b>	Silverthorn, D.U., Human Physiology: An Integrated Approach 4th Ed., 2007 - Prentice Hall
<b>Breadth Options:</b>	This subject potentially can be taken as a breadth subject component for the following courses: # <b>Bachelor of Arts</b> ( <a href="https://handbook.unimelb.edu.au/view/2009/D09">https://handbook.unimelb.edu.au/view/2009/D09</a> ) # <b>Bachelor of Commerce</b> ( <a href="https://handbook.unimelb.edu.au/view/2009/F04">https://handbook.unimelb.edu.au/view/2009/F04</a> ) # <b>Bachelor of Environments</b> ( <a href="https://handbook.unimelb.edu.au/view/2009/A04">https://handbook.unimelb.edu.au/view/2009/A04</a> ) # <b>Bachelor of Music</b> ( <a href="https://handbook.unimelb.edu.au/view/2009/M05">https://handbook.unimelb.edu.au/view/2009/M05</a> )  You should visit <b>learn more about breadth subjects</b> ( <a href="http://breadth.unimelb.edu.au/breadth/info/index.html">http://breadth.unimelb.edu.au/breadth/info/index.html</a> ) and read the breadth requirements for your degree, and should discuss your choice with your student adviser, before deciding on your subjects.
<b>Fees Information:</b>	Subject EFTSL, Level, Discipline & Census Date, <a href="http://enrolment.unimelb.edu.au/fees">http://enrolment.unimelb.edu.au/fees</a>

<b>Generic Skills:</b>	Students should develop and enhance skills related to problem solving, team work, analytical reading and the ability to communicate information both concisely and unambiguously (written and verbal).
<b>Notes:</b>	<p>This subject is available for science credit to students enrolled in the BSc (both pre-2008 and new degrees), BAsC or a combined BSc course.</p> <p>This subject is not available to Bachelor of Biomedicine students.</p> <p>Students undertaking this subject will be expected to regularly access an internet-enabled computer.</p>
<b>Related Course(s):</b>	Bachelor of Biomedical Science