

# PHYS20008 Human Physiology

<b>Credit Points:</b>	12.5											
<b>Level:</b>	2 (Undergraduate)											
<b>Dates &amp; Locations:</b>	2015, Parkville This subject commences in the following study period/s: Semester 1, Parkville - Taught on campus. Semester 2, Parkville - Taught on campus.											
<b>Time Commitment:</b>	Contact Hours: three x 1 hour lectures and 2 hours independent computer aided learning task per week Total Time Commitment: 36 contact hours with an estimated total time commitment of 170 hours											
<b>Prerequisites:</b>	<table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>BIOL10004 Biology of Cells and Organisms</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>BIOL10005 Genetics &amp; The Evolution of Life</td> <td>Semester 2</td> <td>12.50</td> </tr> </tbody> </table> <p>Plus 1 semester of any 1st year quantitative science subject, eg Chemistry, Physics, Maths, Psychology, Statistics.</p>			Subject	Study Period Commencement:	Credit Points:	BIOL10004 Biology of Cells and Organisms	Semester 1	12.50	BIOL10005 Genetics & The Evolution of Life	Semester 2	12.50
Subject	Study Period Commencement:	Credit Points:										
BIOL10004 Biology of Cells and Organisms	Semester 1	12.50										
BIOL10005 Genetics & The Evolution of Life	Semester 2	12.50										
<b>Corequisites:</b>	None											
<b>Recommended Background Knowledge:</b>	None											
<b>Non Allowed Subjects:</b>	<table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>BIOM20002 Human Structure and Function</td> <td>Semester 2</td> <td>25</td> </tr> </tbody> </table> <p>Exemption to enrol may be granted to Biomedicine students seeking to undertake exchange programs in semester 2 of the second year of their program.</p>			Subject	Study Period Commencement:	Credit Points:	BIOM20002 Human Structure and Function	Semester 2	25			
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BIOM20002 Human Structure and Function	Semester 2	25										
<b>Core Participation Requirements:</b>	<p>&lt;p&gt;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.&lt;/p&gt; &lt;p&gt;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: &lt;a href="http://services.unimelb.edu.au/disability"&gt;http://services.unimelb.edu.au/disability&lt;/a&gt;&lt;/p&gt;</p>											
<b>Coordinator:</b>	Dr Charles Sevigny											
<b>Contact:</b>	<p><b>Subject Coordinator</b> Dr Charles Sevigny <a href="mailto:sevignyc@unimelb.edu.au">sevignyc@unimelb.edu.au</a> (mailto:sevignyc@unimelb.edu.au) Administrative Coordinator Ms Lesley Robinson <a href="mailto:BiomedSci-AcademicServices@unimelb.edu.au">BiomedSci-AcademicServices@unimelb.edu.au</a> (mailto:BiomedSci-AcademicServices@unimelb.edu.au)</p>											

<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>Learning Outcomes:</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 6th Ed., 2013 - Pearson
<b>Breadth Options:</b>	<p>This subject potentially can be taken as a breadth subject component for the following courses:</p> <ul style="list-style-type: none"> <li># <b>Bachelor of Arts</b> (<a href="https://handbook.unimelb.edu.au/view/2015/B-ARTS">https://handbook.unimelb.edu.au/view/2015/B-ARTS</a>)</li> <li># <b>Bachelor of Commerce</b> (<a href="https://handbook.unimelb.edu.au/view/2015/B-COM">https://handbook.unimelb.edu.au/view/2015/B-COM</a>)</li> <li># <b>Bachelor of Environments</b> (<a href="https://handbook.unimelb.edu.au/view/2015/B-ENVS">https://handbook.unimelb.edu.au/view/2015/B-ENVS</a>)</li> <li># <b>Bachelor of Music</b> (<a href="https://handbook.unimelb.edu.au/view/2015/B-MUS">https://handbook.unimelb.edu.au/view/2015/B-MUS</a>)</li> </ul> <p>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.</p>
<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, integration, and application of complex topics and processes.
<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>	Master of Science (Bioinformatics)
<b>Related Majors/Minors/Specialisations:</b>	Science-credited subjects - new generation B-SCI and B-ENG. Zoology Zoology