

Physiology

Year and Campus:	2010																		
Coordinator:	Professor David Williams Department of Physiology																		
Contact:	d.williams@unimelb.edu.au																		
Overview:	The Physiology major will teach you how the body works. You will learn about the ways in which cells, organs and the whole body function in an integrated way. By understanding normal function, you will investigate disturbances in whole body systems such as those relating to the endocrine, cardiovascular, musculoskeletal, developmental and neural control systems. The experimental bases of physiology are emphasized and you will use contemporary techniques to examine questions in physiology. Discoveries in physiology have a broad impact upon health and medicine, environmental science, industry, nutrition, exercise and reproductive biology. Many of the discoveries from the human genome project rely on physiology to understand their impact on the human body.																		
Objectives:	.																		
Structure & Available Subjects:	In 2010 a number of new third year level subjects have been introduced, replacing or adding to subjects previously available within the major. Some previously offered subjects have been cancelled. The University is committed to ensuring that students are not disadvantaged by these changes and students may complete a major as defined by the current structure or a structure detailed in a previous year's handbook applicable to any year the student was enrolled in the course. Students completing third year level subjects across multiple years (e.g. in 2009 and 2010) should refer to advice within each subject entry on non-allowed subject combinations. Students unsure about the structure of their intended major should seek advice from the Science Student Centre.																		
Subject Options:	<p>Physiology major</p> <p>Completion of 50 points of study at third year level.</p> <p>Four of:</p> <ul style="list-style-type: none"> # 536-302 Molecular Neurophysiology (prior to 2010) # 536-303 The Brain: Neurophysiology of Behaviour (prior to 2010) # 536-304 Advanced Experimental Physiology (prior to 2010) # 536-311 Molecular/Cellular Basis of Physiology (prior to 2010) # 516-307 Research Project (prior to 2010) <table border="1" data-bbox="387 1406 1485 1816"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>PHYS30001 Cardiovascular Health: Genes & Hormones</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>PHYS30005 Muscle and Exercise Physiology</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>NEUR30002 Neurophysiology: Neurons and Circuits</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>PHYS30008 Frontiers in Physiology</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>SCIE30001 Science Research Project</td> <td>Summer Term, Semester 1, Semester 2</td> <td>12.50</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	PHYS30001 Cardiovascular Health: Genes & Hormones	Semester 1	12.50	PHYS30005 Muscle and Exercise Physiology	Semester 1	12.50	NEUR30002 Neurophysiology: Neurons and Circuits	Semester 1	12.50	PHYS30008 Frontiers in Physiology	Semester 2	12.50	SCIE30001 Science Research Project	Summer Term, Semester 1, Semester 2	12.50
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Notes:	Please note that credit exclusions may apply. Check individual subject descriptions for further information. The topic of the Research Project must be related to physiology.																		
Related Course(s):	Bachelor of Arts and Bachelor of Science Bachelor of Arts and Sciences Bachelor of Commerce and Bachelor of Science																		

Bachelor of Science
Bachelor of Science and Bachelor of Information Systems