

Neuroscience (Behavioural Neuroscience specialisation)

Year and Campus:	2010																									
Coordinator:	Dr Peter Kitchener Department of Anatomy and Cell Biology																									
Contact:	pkitch@unimelb.edu.au																									
Overview:	<p>Major study in Neuroscience, specialising in Behavioural Neuroscience.</p> <p>It is expected that students completing this Major will understand the fundamental organisational and functional principles of the nervous system: from the biology of nerve cells and neural circuits through to neural systems and ultimately to complex behaviours like thought and emotion. From the two core subjects students will gain an overview of the breath of modern neuroscience to see how a spectrum of science disciplines (such as Cell and Molecular Biology, Pharmacology, Physiology and Anatomy) contribute to our understanding of nervous system function. This will also reveal how Neuroscience overlaps with related areas of study, such as Cognitive Science, Psychology and Medicine. Areas of study include how perceptual and motor systems are organised, the crucial role of the nervous system in the regulation of the internal environment of the body, how the nervous system develops, how it has evolved, and the effects of injury, disease and abuse.</p>																									
Objectives:	.																									
Structure & Available Subjects:	<p>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.</p>																									
Subject Options:	<p>Neuroscience major (Behavioural Neuroscience)</p> <p>Completion of 50 points of study at third year level.</p> <p>All three of:</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>NEUR30002 Neurophysiology: Neurons and Circuits</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>PSYC30018 Neuroscience and the Mind</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>NEUR30003 Principles of Neuroscience</td> <td>Semester 1</td> <td>12.50</td> </tr> </tbody> </table> <p># 516-305 Neuroscience: Systems and Higher Functions (Prior to 2010) # 536-303 The Brain: Neurophysiology of Behaviour (Prior to 2010) # 512-350 Brain Cognition and Behaviour 3 (Prior to 2010)</p> <p>Plus one of:</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>NEUR30004 Sensation Movement and Complex Functions</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>PSYC30020 Psychology of Sleep and Emotions</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>PSYC30017 Advanced Studies of Human Cognition</td> <td>Semester 1</td> <td>12.50</td> </tr> </tbody> </table> <p># 512-330 Human Psychophysiology 3 (Prior to 2010) # 512-335 Advanced Cognition 3 (Prior to 2010)</p>		Subject	Study Period Commencement:	Credit Points:	NEUR30002 Neurophysiology: Neurons and Circuits	Semester 1	12.50	PSYC30018 Neuroscience and the Mind	Semester 1	12.50	NEUR30003 Principles of Neuroscience	Semester 1	12.50	Subject	Study Period Commencement:	Credit Points:	NEUR30004 Sensation Movement and Complex Functions	Semester 2	12.50	PSYC30020 Psychology of Sleep and Emotions	Semester 2	12.50	PSYC30017 Advanced Studies of Human Cognition	Semester 1	12.50
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	Please note that credit exclusions may apply. Check individual subject descriptions for further information.
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