

NEUR30004 Sensation Movement and Complex Functions

Credit Points:	12.50								
Level:	3 (Undergraduate)								
Dates & Locations:	2011, Parkville This subject commences in the following study period/s: Semester 2, Parkville - Taught on campus.								
Time Commitment:	Contact Hours: 2 x one hour lectures per week + 1 x two hour workshops fortnightly Total Time Commitment: 120 hours								
Prerequisites:	The prerequisite is: <table><tr><td>Subject</td><td>Study Period Commencement:</td><td>Credit Points:</td></tr><tr><td>NEUR30003 Principles of Neuroscience</td><td>Semester 1</td><td>12.50</td></tr></table>			Subject	Study Period Commencement:	Credit Points:	NEUR30003 Principles of Neuroscience	Semester 1	12.50
Subject	Study Period Commencement:	Credit Points:							
NEUR30003 Principles of Neuroscience	Semester 1	12.50							
Corequisites:	None								
Recommended Background Knowledge:	None								
Non Allowed Subjects:	None								
Core Participation Requirements:	For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this subject are articulated in the Subject Description, Subject Objectives, Generic Skills and Assessment Requirements of this entry. The University is dedicated to provide support to those with special requirements. Further details on the disability support scheme can be found at the Disability Liaison Unit website: http://www.services.unimelb.edu.au/disability/								
Coordinator:	Assoc Prof Colin Anderson								
Contact:	(mailto:jamesz@unimelb.edu.au) c.anderson@unimelb.edu.au (mailto:c.anderson@unimelb.edu.au) Administrative Coordinator: Ms Kim Williams anatomy-student@unimelb.edu.au								
Subject Overview:	The subject focuses on examples of major sensory systems, the control of movement, and on complex brain functions such as memory, language and consciousness. These complex functional capacities are considered from the perspective of normal brain operation and from an examination of the abnormalities underlying neurological disorders.								
Objectives:	The students should develop a deep insight into the major achievements, and the major outstanding questions, in understanding how the brain performs sensory, motor and other complex functions. Students should become familiar with the range of technologies and theoretical starting points in the analysis of brain operation. Fundamental results of experimental and clinical neuroscience are studied as well as the technological developments associated with them.								
Assessment:	A 30-minute MCQ test held mid-semester (20%); A 2-hour written examination during the examination period (65%)A 1000 word essay due initially mid semester and, after feedback, to be resubmitted for marking at the end of semester (15%)								
Prescribed Texts:	Principles of Neural Science Kandel, Schwartz and Jessell, 5th Edition (available March 2010)								
Breadth Options:	This subject potentially can be taken as a breadth subject component for the following courses:								

	<p># <u>Bachelor of Arts</u> (https://handbook.unimelb.edu.au/view/2011/B-ARTS)</p> <p># <u>Bachelor of Commerce</u> (https://handbook.unimelb.edu.au/view/2011/B-COM)</p> <p># <u>Bachelor of Environments</u> (https://handbook.unimelb.edu.au/view/2011/B-ENVS)</p> <p># <u>Bachelor of Music</u> (https://handbook.unimelb.edu.au/view/2011/B-MUS)</p> <p>You should visit learn more about breadth subjects (http://breadth.unimelb.edu.au/breadth/info/index.html) and read the breadth requirements for your degree, and should discuss your choice with your student adviser, before deciding on your subjects.</p>
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Generic Skills:	Students should have the opportunity to enhance their capacity to integrate and communicate knowledge from a wide variety of technological origins and theoretical stances. On completion of this subject, students should have developed their capacity for independent critical thought, rational enquiry and self-directed learning.
Notes:	This subject is available to students enrolled in the NG BSc, BBiomed, pre-2008 BSc, pre-2008 BASc, pre-2008 BBiomedSc.
Related Course(s):	Bachelor of Science
Related Majors/Minors/Specialisations:	<p>Anatomy (pre-2008 Bachelor of Science)</p> <p>Neuroscience</p> <p>Physiology</p> <p>Science credit subjects* for pre-2008 BSc, BASc and combined degree science courses</p>