

NEUR30004 Sensation Movement and Complex Functions

Credit Points:	12.5								
Level:	3 (Undergraduate)								
Dates & Locations:	2015, 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 , 3 x two hour workshops over the semester and 2 x online workshops Total Time Commitment: 170 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:	<p><p>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.</p> <p>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: http://services.unimelb.edu.au/disability</p></p>								
Coordinator:	Assoc Prof Colin Anderson								
Contact:	Subject Coordinator Assoc Prof Colin Anderson c.anderson@unimelb.edu.au (mailto:c.anderson@unimelb.edu.au) Administrative Coordinator Ms Kim Williams BiomedSci-AcademicServices@unimelb.edu.au (mailto:BiomedSci-AcademicServices@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.								
Learning Outcomes:	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 written assignment due mid semester (15%)
Prescribed Texts:	None
Recommended Texts:	Purves et al. Neuroscience 4th edition, 2008 Sinauer Squire et al. Fundamental Neuroscience 4 edition, 2013, Elsevier Kandel et al. Principles of Neural Science 5 edition, 2014, McGraw-Hill
Breadth Options:	<p>This subject potentially can be taken as a breadth subject component for the following courses:</p> <ul style="list-style-type: none"> # <u>Bachelor of Arts</u> (https://handbook.unimelb.edu.au/view/2015/B-ARTS) # <u>Bachelor of Commerce</u> (https://handbook.unimelb.edu.au/view/2015/B-COM) # <u>Bachelor of Environments</u> (https://handbook.unimelb.edu.au/view/2015/B-ENVS) # <u>Bachelor of Music</u> (https://handbook.unimelb.edu.au/view/2015/B-MUS) <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 Majors/Minors/Specialisations:	Anatomy (pre-2008 Bachelor of Science) Neuroscience Physiology Science-credited subjects - new generation B-SCI and B-ENG. Selective subjects for B-BMED