

## 513-684 Neurosciences

<b>Credit Points:</b>	12.500
<b>Level:</b>	Graduate/Postgraduate
<b>Dates &amp; Locations:</b>	2008, This subject commences in the following study period/s: Semester 2, - Taught on campus. In the past, this subject has been taught intensively over 1 - 2 weeks in July. The timetable has not yet been confirmed for 2008.
<b>Time Commitment:</b>	Contact Hours: 36 hours of problem based learning tutorials and inquiry seminars. Total Time Commitment: Students are expected to undertake a number of hours of self directed learning in this subject. Approximately 80 hours of self directed learning is suggested.
<b>Prerequisites:</b>	None
<b>Corequisites:</b>	None
<b>Recommended Background Knowledge:</b>	None
<b>Non Allowed Subjects:</b>	None
<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>	TBA
<b>Subject Overview:</b>	This subject offers students an opportunity to participate in an advanced macroscopic and microscopic study of the human nervous system. Theoretical neuroanatomy, neurophysiology, developmental neuroscience, and neuropsychology will be integrated with clinical neurology.
<b>Assessment:</b>	2 hour end of semester examination (40%), mid-semester class presentation (20%), written assignment 2,500 words due end of semester (40%)
<b>Prescribed Texts:</b>	Kandel, ER, Schwartz, J.H. and Jessell, T (2000) Principles of Neural Sciences, 4th Edition, New York: Elsevier
<b>Breadth Options:</b>	This subject is not available as a breadth subject.
<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>	<p><b>Generic Skills:</b></p> <p>On completion of the subject, students will be expected to be able to demonstrate:</p> <ul style="list-style-type: none"> <li># The ability to evaluate and synthesise basic science research and professional literature and apply this information to clinical situations</li> <li># A capacity to articulate their knowledge and understanding in oral and written presentations</li> </ul> <p><b>Specific Skills:</b></p> <p>On completion of the subject, students will be expected to be able to demonstrate:</p> <ul style="list-style-type: none"> <li># The developmental processes in the nervous system</li> <li># Sensorimotor systems and the processing of sensory information</li> </ul>

	<ul style="list-style-type: none"> <li># The programming and execution of movement</li> <li># Mechanisms of plasticity, learning and recovery of function after injury</li> <li># Higher cortical functions and their disorders following brain injury</li> <li># Application of neuroscience to clinical situations</li> </ul>
<b>Links to further information:</b>	<a href="http://www.physioth.unimelb.edu.au/programs/pgrad/index.html">http://www.physioth.unimelb.edu.au/programs/pgrad/index.html</a>
<b>Related Course(s):</b>	<p>Doctor of Clinical Physiotherapy (Coursework)  Master of Physiotherapy (Cardiorespiratory Physiotherapy)  Master of Physiotherapy (General) CW  Master of Physiotherapy (Neurological Physiotherapy)  Master of Physiotherapy (Paediatric Physiotherapy)  Master of Physiotherapy (Women's Health and Pelvic Floor Physiotherapy)</p>