

## PSYC90043 Neuroscience: Brain Systems & Higher Fctn

<b>Credit Points:</b>	12.50
<b>Level:</b>	9 (Graduate/Postgraduate)
<b>Dates &amp; Locations:</b>	2010, Parkville This subject commences in the following study period/s: Semester 2, Parkville - Taught on campus.
<b>Time Commitment:</b>	Contact Hours: 24 lectures (two a week) and 10 hours tutorial or practical work. Estimated Total Time Commitment: 108 hours Total Time Commitment: Not available
<b>Prerequisites:</b>	512-950 Graduate Research Methods 512-952 Psychological Assessment across the Lifespan 512-953 Introduction to Psychopathology
<b>Corequisites:</b>	None
<b>Recommended Background Knowledge:</b>	Completion of psychology studies to fourth-year (Honours) level.
<b>Non Allowed Subjects:</b>	None
<b>Core Participation Requirements:</b>	For the purposes of considering requests 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: <a href="http://www.services.unimelb.edu.au/disability/">http://www.services.unimelb.edu.au/disability/</a>
<b>Coordinator:</b>	Assoc Prof Colin Anderson
<b>Contact:</b>	Dr Colin Anderson, Department of Anatomy
<b>Subject Overview:</b>	The organisation and functioning of the major systems of the brain with emphasis on the main sensory and motor systems; the neural basis of learning and memory and higher brain functions, including emotion and language, and of disorders of thought and mood.
<b>Objectives:</b>	<ul style="list-style-type: none"> <li># To understand the modern practice of neuroscience;</li> <li># To study the functional organisation of key systems in the brain, using examples from the motor, somatosensory and visual systems;</li> <li># To understand the neural apparatus that underlies higher functions, such as learning, memory, language and emotion and the mechanisms whereby aberrant behaviour emerges during disease states.</li> </ul>
<b>Assessment:</b>	Critical review (2500 words) of a scientific paper (15%) during the semester; written assignment (1500 words) during the semester (10%); 2-hour end-of-semester written examination (75%).
<b>Prescribed Texts:</b>	Kandel, E.R., Schwartz, J.H., & Jessel, T. (Eds.) (2000). Principles of Neural Science (4th ed.). New York: Elsevier. Nolte, J. & Angevine, J.B. (1995) The Human Brain in Photographs and Diagrams. Mosby.
<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>	Written and oral skills Analytic, information integration and synthesizing skills

<b>Related Course(s):</b>	Master of Psychology (Clinical Neuropsychology) Master of Psychology (Clinical Neuropsychology)/Doctor of Philosophy
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