512-975 Neuroscience: Brain Systms & Higher Fctn

Credit Points:	12.50
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2009, This subject commences in the following study period/s: Semester 2, - Taught on campus.
Time Commitment:	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
Prerequisites:	512-950 Graduate Research Methods 512-952 Psychological Assessment across the Lifespan 512-953 Introduction to Psychopathology
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 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. 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
Coordinator:	Prof Tony Goodwin
Contact:	Dr Colin Anderson, Department of Anatomy
Subject Overview:	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.
Objectives:	# To understand the modern practice of neuroscience; # To study the functional organisation of key systems in the brai,using examples from the motor, somatosensory and visual systems; # To understand the neural apparatus that underlies higher functions, such as learnin,memory, language and emotion and the mechanisms whereby aberrant behaviour emerges during disease states.
Assessment:	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%).
Prescribed Texts:	None
Recommended Texts:	# 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.
Breadth Options:	This subject is not available as a breadth subject.
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees

Generic Skills:	Written and oral skills Analytic, information integration and synthesizing skills
Related Course(s):	Master of Psychology (Clinical Neuropsychology) Master of Psychology(Clinical Neuropsychology)/Doctor of Philosophy