

512-335 Advanced Cognition 3

Credit Points:	12.500
Level:	Undergraduate
Dates & Locations:	2008, This subject commences in the following study period/s: Semester 1, - Taught on campus.
Time Commitment:	Contact Hours: Twenty-four hours of lectures, 12 hours of laboratory classes. [Estimated total time commitment of 120 hours.] Total Time Commitment: 120 hours
Prerequisites:	512-224 (or equivalent).
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	Students who have completed 512-340 Vision and Action 3 and/or 512-390 Cognitive Science 3 (or equivalent) may not enrol in this subject.
Core Participation Requirements:	It is University policy to take all reasonable steps to minimise the impact of disability upon academic study and reasonable steps will be made to enhance a student's participation in the University's programs. This subject requires all students to actively and safely participate in laboratory activities. Students who feel their disability may impact upon their participation are encouraged to discuss this with the subject coordinator and the Disability Liaison Unit.
Coordinator:	Associate Professor Virginia Holmes
Subject Overview:	<p>This subject introduces students to a range of topics within the interdisciplinary field of cognitive science. It comprises three units. Only two units will be offered in any one year.</p> <p><i>Cognitive Science:</i> is an interdisciplinary field, the aim of which is to produce a broad understanding of the nature of the mind. This unit introduces some basic issues in cognitive science, considering different explanations of mind and phenomena a theory of mind would need to explain. Current issues are introduced, including the debate between representational versus connectionist models, and functionalist versus embodied accounts</p> <p><i>Language Processing:</i> aims to understand how speakers of a language use their accumulated linguistics knowledge to comprehend and produce utterances. One way of approaching this issue is to examine the behavioural consequences of impairments to different language processing systems, considering how patterns of performance in individuals with impairments can illuminate models of normal language processing. A range of language systems will be focused on, including word recognition, word production, semantic memory, syntactic processing, and pragmatic processing.</p> <p><i>Visual Perception and Cognition:</i> examines the processing of visual information in the human organism. There is a particular focus on the relationship between the processing of sensory information in the visual system itself, and the way in which this information relates to cognitive processes such as object recognition, learning, and language. The relationship between the anatomical structure of the brain and its various computational functions is also explored in relation to sensory and cognitive processing of visual information.</p>
Assessment:	Laboratory reports of no more than 3000 words (50%) and an examination of no more than two hours (50%). Each piece of assessment must be completed (hurdle requirement). Attendance at 80% or more of the laboratory classes and participation in 80% of online discussion forums is a hurdle requirement. In case of failure to meet the hurdle requirement, additional work will be required before a passing grade can be awarded.
Prescribed Texts:	None
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:	On completion of this subject, students should be able to: think critically about theoretical and empirical issues in psychology; evaluate research issues critically on the basis of empirical evidence; demonstrate a knowledge of classical and current issues in psychology; demonstrate an understanding of some of the obstacles to an integrated perspective in areas of psychology; locate and use web-based material effectively (web pages, news groups, list servers, etc).
Notes:	<p>Students enrolled in the BSc (pre-2008), BAsc or a combined BSc course may receive science credit for the completion of this subject.</p> <p>Students undertaking psychology subjects can receive credit toward <i>either</i> the science <i>or</i> arts requirement of the BAsc or BA/BSc course. Credit for psychology cannot be split between the two components. Students should advise the Faculty of Science if they would like psychology to count toward the science requirement of their BAsc or BA/BSc course.</p>
Related Course(s):	<p>Bachelor of Arts Bachelor of Arts and Bachelor of Science Bachelor of Arts and Sciences Bachelor of Science</p>