

Course title	Advanced Cognitive Psychology				
Course code	PSY2405				
Course type	Compulsory				
Level	Bachelors				
Year / Semester	Year 2 / 4 th semester				
Teacher's name	Dr Eugenia Christoforou				
ECTS	6	Lectures / week	3hrs	Laboratories / week	-
Course purpose and objectives	<p>This course builds on foundational cognitive psychology by examining more advanced topics in mental processes, including attention, memory, perception, language, reasoning, problem solving, and decision-making. Students will critically engage with current theoretical models, research methodologies, and empirical evidence in both typical and atypical populations. The course emphasises the relationship between cognitive theory, experimental evidence, and real-world application, drawing on findings from behavioural research, cognitive neuropsychology, and cognitive neuroscience. Students will learn to critically evaluate the strengths and limitations of research approaches and explore how cognitive processes influence everyday behaviour.</p>				
Learning outcomes	<p>On successful completion of the course and with further independent study, students will be able to:</p> <p>Knowledge and Understanding</p> <ol style="list-style-type: none"> 1. Describe and critically assess advanced theories of cognitive processes 2. Explain the cognitive mechanisms underlying complex behaviours and how they are studied experimentally <p>Competencies</p> <ol style="list-style-type: none"> 3. Critically evaluate empirical research and theoretical models in cognitive psychology 4. Integrate research findings from different areas to construct coherent arguments about cognitive function <p>Transferable Skills</p> <ol style="list-style-type: none"> 5. Interpret and communicate complex cognitive concepts clearly in written format 				

Prerequisites	PSY1205 Foundations of cognitive and developmental psychology	Required	
Course content	<p>Indicative Content</p> <ul style="list-style-type: none"> • Attention and Perception <ul style="list-style-type: none"> ○ Selective and divided attention ○ Visual processing, perception and object recognition ○ Disorders of attention (e.g. ADHD) • Memory Systems and Processes <ul style="list-style-type: none"> ○ Working memory, long-term memory, and memory consolidation ○ Eyewitness testimony and false memory ○ Memory impairments and amnesia • Language and Communication <ul style="list-style-type: none"> ○ Language production and comprehension ○ Reading, speech perception, and meaning ○ Language disorders (e.g., aphasia, dyslexia) • Reasoning and Decision-Making <ul style="list-style-type: none"> ○ Heuristics and biases ○ Problem solving and insight ○ Dual-process theories of thinking • Consciousness and Cognitive Control <ul style="list-style-type: none"> ○ Executive function and cognitive control ○ Theories of consciousness ○ Multitasking, automaticity, and metacognition • Methods in Cognitive Psychology <ul style="list-style-type: none"> ○ Experimental designs and reaction time paradigms ○ Cognitive neuroscience methods (e.g., fMRI, EEG) 		
Teaching methodology	Teaching will consist of lectures, in-class discussions, case studies and quizzes designed to assess understanding and provide opportunities for formative feedback. Teaching will be supported by online materials and additional readings		
Bibliography	<p>Core Text:</p> <ul style="list-style-type: none"> • Radvansky, G. A., Ashcraft, M. H., Ypsilanti, A., & Lazuras, L. (2025). <i>Cognitive psychology</i> (1st ed.). Pearson 		

	<p>Recommended:</p> <ul style="list-style-type: none"> • Martin, G. N., & Carlson, N. R. (2025). <i>Psychology</i> (7th ed.). Pearson. <p>Further reading:</p> <p>A reading list will accompany each lecture, highlighting relevant articles accessible through the library, as well as open-access and e-learning resources.</p>						
Assessment	<table border="0"> <tr> <td>Attendance and participation</td> <td style="text-align: right;">10%</td> </tr> <tr> <td>Research article critique</td> <td style="text-align: right;">45%</td> </tr> <tr> <td>Final Exam</td> <td style="text-align: right;">45%</td> </tr> </table>	Attendance and participation	10%	Research article critique	45%	Final Exam	45%
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Language	English						