H8PTHNK: Psychology of Thinking

Module Code:	H8PTHNK
Long Title	Psychology of Thinking APPROVED
Title	Advanced Cognitive Psychology and Neuroscience
Module Level:	LEVEL 8
EQF Level:	6
EHEA Level:	First Cycle
Credits:	5
Module Coordinator:	Philip Hyland
Module Author:	Rebecca Maguire
Departments:	
Specifications of the qualifications and experience required of staff	

Learning Outcomes	
On successful completion of this module the learner will be able to:	
#	**Learning Outcome Description**
LO1	Outline and appraise a number of diverse research methodologies employed in the study of human thought and cognition
LO2	Critically evaluate research within specialised aspects of cognition such as consciousness, knowledge representation, and creativity.
LO3	Demonstrate how research in neuroscience and neuropsychology can enhance understanding of human thought within a multidisciplinary framework
LO4	Critically evaluate how research in cognition can be applied in a range of situational contexts

Dependencies
Module Recommendations
No recommendations listed
Co-requisite Modules
No Co-requisite modules listed

Entry requirements	

H8PTHNK: Psychology of Thinking

Module Content & Assessment

Indicative Content
Understanding cognition • Definitions and conceptions of thinking • Multidisciplinary research in cognition – cognitive psychology vs. cognitive science • Philosophical roots to studying cognition • Research techniques in the study of cognition • Eye-tracking technology and its applications
Knowledge representation • The nature and importance of representations in cognitive science • Classical view – the symbolic approach to cognition • Cognitive modelling: the use of artificial intelligence • Connectionist, embodied and dynamic approaches
Reasoning and decision making • Are people rational? Considering theories in reasoning and decision making • Research findings in reasoning and decision making • Applications: behavioural economics and behaviour change interventions
Consciousness • Philosophical perspectives of consciousness • Theories of consciousness • Varying states of consciousness • Neuroscience of consciousness
Creativity • Types of creativity • Cognitive basis of creativity - the role of knowledge • Nonscientific basis of creativity
Cognition and emotion • Relationship between emotion and cognition • Influence of anxiety, stress and mood on cognition • The context of cognition: social influences

Assessment Breakdown	%
Coursework	100.00%

Assessments

Full Time

Coursework

Assessment Type:	Continuous Assessment	**% of total:**	100
Assessment Date:	n/a	**Outcome addressed:**	1,2,3,4
Non-Marked:	No		

Assessment Description:
This will typically involve three components: • Class participation: students will be posed questions on an ongoing basis relating to course content using clicker technology (20%) • Poster presentation: students are required to design and present a poster examining a specialist aspect of cognition (40%) • In-class essay: students prepare an answer for a choice of known essay titles and complete this in class (40%)

No End of Module Assessment

No Workplace Assessment

Reassessment Requirement

Repeat the module
The assessment of this module is inextricably linked to the delivery. The student must reattend the module in its entirety in order to be reassessed.

H8PTHNK: Psychology of Thinking

Module Workload

Module Target Workload Hours 0 Hours

Workload: Full Time

Workload Type	*Workload Description*	*Hours*	*Frequency*	*Average Weekly Learner Workload*
Lecture	No Description	24	Every Week	24.00
Independent Learning	No Description	101	Once per semester	8.42
			Total Weekly Contact Hours	24.00

Module Resources

Recommended Book Resources

Jay Daniels Friedenberg, Dr. Gordon Silverman. (2013), Cognitive Science, Sage Publications, Inc, p.544, [ISBN: 9781412977616].

Michael S. Gazzaniga, editor-in-chief; section editors, Emilio Bizzi... [et al.]. (2011), The cognitive neurosciences, MIT Press, Cambridge, Mass., [ISBN: 9780262013413].

Supplementary Book Resources

Gazzaniga, M., Ivry, R.B. & Mangun, G.R.. (2013), Cognitive Neuroscience: The biology of the mind., 4th. Horton, New York, [ISBN: 978-0-393-912].

Christian Jarrett. (2013), Great Myths of the Brain, Wiley, [ISBN: 9781118312].

Bradley R. Postle. (2015), Essentials of Cognitive Neuroscience, Wiley, [ISBN: 9781118468].

V.S. Ramachandran, Sandra Blakeslee, Oliver Sacks (Foreword). Phantoms in the Brain, Fourth Estate, p.384, [ISBN: 1857028953].

Oliver W. Sacks. Man Who Mistook His Wife for a Hat, Picador USA, p.256, [ISBN: 0330523627].

Anderson. (2015), Cognitive Psychology and Its Implications, 8th. MacMillian, [ISBN: 1-4641-4891-0].

This module does not have any article/paper resources

This module does not have any other resources

Discussion Note:	