2024 / 25

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Ollscoil Teicneolaíochta an Oirdheiscirt

South East Technological University

Module Descriptor

Introduction to Cognition and Perception (Computing and Mathematics)

Introduction to Cognition and Perception (A15028)

Short Title: Intro to Cog & Per
Department: Applied Arts
Credits: 5 **Level:** Introductory

Description of Module / Aims

This module aims to: Develop an understanding of the basic principles and areas in cognitive psychology Provide an understanding of the basic principles and areas in the psychology of perception Evaluate the link between perception and cognition

Programmes

		stage/semester/status
PSYC-0066	BSc (Hons) in Software Systems Development (WD_KCSDV_B)	4 / 7 / E
PSYC-0105	BSc (Hons) in Software Systems Development (WD_KDEVP_B)	4 / 7 / E
PSYC-0066	BA (Hons) (WD_HARTS_B)	2 / 3 / E
PSYC-0105	BA (Hons) in Psychology (WD_HPSYC_B)	1 / 2 / M
PSYC-0105	BA (Hons) in Psychology with Arts (International) (WD_HPSYI_B)	1 / 2 / E

Indicative Content

- Introduction to Cognition & Perception
- Attention
- Memory
- Mental Imagery
- Concept Formation
- Problem Solving, Reasoning & Decision-making
- Vision and Colour Perception
- Chemical senses
- Depth Perception
- Form & Object Perception
- Hearing
- Review: Putting it altogether Cognition & Perception: Language and thought

Learning Outcomes

On successful completion of this module, a student will be able to:

1. Describe the principles of cognitive psychology
2. Discuss the different modes of perception
3. Distinguish between sensation, perception and attention
4. Summarise the links between cognition and perception

Learning and Teaching Methods

- A two-hour lecture and a one-hour tutorial per week
- Within the lectures emphasis is placed on making explicit paradigm-level ideas that underpin the cognitive sciences e.g. information processing models and schema theory
- Explicit connections are made to ideas that arise in the statistics and research methods modules
- Tutorials are used to reinforce the lecture lessons in the context of practicing building coherent exam essay outlines

Learning Modes

Learning Type	F/T Hours	P/T Hours
Lecture	24	
Tutorial	12	
Independent Learning	99	

Assessment Methods

	Weighting	Outcomes Assessed
Final Written Examination	100%	1,2,3,4

Assessment Criteria

0-39% (Fail) Fails to address the question, key issues, and concepts; poor writing and organisation; Evidence that basic material is misunderstood.

40-49% (Pass) Limited consideration of main points and concepts addressed; Direct attempt at the question but some context lacking; Some understanding of how to structure and presentation of ideas; Limited evidence of the relevant texts and literature.

50-59% (2.2) A satisfactory answer but without the range of reading and interpretation deserving of a higher honours mark; Sparse or highly selective coverage of the relevant material; Assertions not suitably supported by argument or evidence; Limited discussion and reflection, but showing knowledge of the underpinning principles.

60-69% (2.1) A well-organised, well-written answer, demonstrating that the material is critically analysed; Evidence of reading beyond essential course material; Addressing and analysing the main points and showing evidence of a good grasp of the underpinning knowledge; Some evidence of evaluation and synthesis of the relevant issues.

70%+ (1.1) Excellent answer that combines an exceptional degree of independent reading and thinking with a high degree of integration; A depth of insight into theoretical issues, demonstrating a concise and clear analytical style; Excellent level of critical analysis and originality of thought; Excellent critical evaluation and synthesis of relevant issues, showing an ability to integrate and apply theory in a precise manner.

Essential Material(s)

- Eysenck, M. and M. Keane. *Cognitive Psychology: A Student's Handbook*. 7th ed. East Essex: Psychology Press, 2015.

Supplementary Material(s)

- Smith, E. and S. Kosslyn. *Cognitive Psychology: Mind and Brain*. London: Pearson, 2013.