Cognitive Psychology II

Module Code: PSY7003-B
Academic Year: 2016-17
Credit Rating: 20
School: Division of Psychology
Subject Area: Psychology
FHEQ Level: FHEQ Level 7 (Masters)
Module Coordinator: Dr Valerie Lesk

Additional Tutors:

Pre-requisites:
Co-requisites:

Contact Hours

<table>
<thead>
<tr>
<th>Type</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Lectures</td>
<td>22</td>
</tr>
<tr>
<td>Laboratory</td>
<td>12</td>
</tr>
<tr>
<td>Directed Study</td>
<td>164</td>
</tr>
<tr>
<td>Examinations DO</td>
<td>2</td>
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Availability Periods

<table>
<thead>
<tr>
<th>Occurrence</th>
<th>Location/Period</th>
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<tbody>
<tr>
<td>BDA</td>
<td>University of Bradford / Semester 1 (Sep - Jan)</td>
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Module Aims

This is a module in which you will gain advanced insight into how people reason, think and perceive, and organise their thought processes using language to both help them solve problems and communicate with others.
Outline Syllabus

History and emergence of modern cognitive psychology. Review of memory and types of organisation schemata; autobiographical memory. Mental images and cognitive mapping; applications of imagery. Language production, reading and speech. Lateralisation of brain function; hemispheres and functionality-right brain/left brain. Problem solving and creativity; concept formation and logic. Implicit Cognition; Review of Perception; Connectionism; Cognition and Emotion; Visual Attention. The contribution of imaging techniques to the understanding of brain and mind: (PET, fMRI, EEG, MEG, TMS). Dorsal and ventral streams in visual perception. Consciousness.

Module Learning Outcomes

On successful completion of this module, students will be able to...

1. a) critically evaluate the roles of mental imagery and cognitive mapping in problem solving and reasoning
   b) identify the neural organisation of mental functions and language that permit understanding and production of sounds
   c) critically appraise the role of language in cognitive function and communication
   d) critically consider the relationship between brain activity and mental function

2. a) demonstrate an advanced understanding of cognitive functioning and its application.

3. a) use IT to prepare written work and seek out appropriate and relevant web-based information.

Learning, Teaching and Assessment Strategy

Lectures will be used to provide guidance and emphasis on the current theories underpinning our understanding of basic cognitive functions. They will also be used to consider the appropriate lexicon that theorists in cognitive psychology employ to describe mental processes. Practical components of the module will be used to apply problem-solving techniques by conducting in-class experiments and working in groups. IT skills will also be developed.

Mode of Assessment

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<tr>
<th>Type</th>
<th>Method</th>
<th>Description</th>
<th>Length</th>
<th>Weighting</th>
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<tbody>
<tr>
<td>Summative</td>
<td>Examination - closed book</td>
<td>Unseen examination</td>
<td>2 hours</td>
<td>70%</td>
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<tr>
<td>Summative</td>
<td>Coursework</td>
<td>Essay of 1500 words</td>
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Legacy Code (if applicable)

SY-7003D

Reading List

To view Reading List, please go to rebus:list.