

## Brain and Behaviour

Module Code:	PSY4009-B
Academic Year:	2018-19
Credit Rating:	20
School:	School of Social Sciences
Subject Area:	Psychology
FHEQ Level:	FHEQ Level 4

Pre-requisites:

Co-requisites:

### Contact Hours

Type	Hours
Lectures	22
Laboratory	8
Directed Study	170

### Availability Periods

Occurrence	Location/Period
BDA	University of Bradford / Semester 1 (Sep - Jan)

### Module Aims

This module will introduce the major psychological theories and concepts that explain how we become thinking individuals. You will explore the basic organisation of the nervous system from neuronal cells to global anatomy, and the physiology of the human sensory system including vision, olfaction, gustation and tactile perception. You will also learn about the neuropsychology of learning and memory, including attention, eyewitness testimony, and theories of forgetting. We will also explore how we understand spoken and written language, and psychological theories of personality.

### Outline Syllabus

Types of learning and memory systems: How we perceive and attend to information, and categorise it to aid learning. Short-term, long-term, and working memory. Theories of forgetting and eye witness testimony. Cognition in the real world. Understanding language; comprehension and reading. Basic anatomy and physiology of the central and peripheral nervous system. The physiology of the human sensory system. The scientific bases of personality development. Neuropsychological and cognitive research techniques.

### Module Learning Outcomes

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

- 1 describe the major psychological theories of learning and memory comprehension in humans;
- 2 describe the physiology of the human nervous and sensory systems;
- 3 describe the main functions of language comprehension;
- 4 describe the major scientific theories of personality development and individual difference;
- 5 follow standard protocols to carry out a simple experiment on cognitive processes with human subjects;
- 6 collect and analyse basic experimental data;
- 7 write a simple research article and accurately summarise results.
- 8 demonstrate ICT skills to prepare written reports;
- 9 seek out web-based information.

### Learning, Teaching and Assessment Strategy

Lectures will be used to: introduce anatomical structures and organisation of systems within the brain; explain theories of learning and memory; language comprehension, and personality (LO 1 to 4). Practical sessions will be used to explore simple physiological, learning, memory, and individual difference concepts, allowing you to test theories and ideas on each other (LO 1 to 7). From these you will have an opportunity to prepare a research article on an experimental assessment of a learning concept (LO 5 to 9).

### Mode of Assessment

Type	Method	Description	Length	Weighting	Final Assess'
Summative	Examination - MCQ	Unseen MCQ examination: this will test knowledge and understanding of	1.5 hours	60%	Yes

		concepts and theories			
Summative	Coursework	Written assignment	-1500 words	40%	No

### Legacy Code (if applicable)

### Reading List

To view Reading List, please go to [rebus:list](#).