

Neurocognitive Health

Module Code:	PSY7018-B
Academic Year:	2018-19
Credit Rating:	20
School:	School of Social Sciences
Subject Area:	Psychology
FHEQ Level:	FHEQ Level 7 (Masters)

Pre-requisites:

Co-requisites:

Contact Hours

Type	Hours
Lectures	20
Tutorials	8
Directed Study	172

Availability Periods

Occurrence	Location/Period
BDA	University of Bradford / Semester 2 (Feb - May)

Module Aims

1. To be able to show/demonstrate a profound understanding of how brain and cognition apply to health and wellbeing.
2. To critically analyse methodological and theoretical issues in this field and its applications to health and wellbeing.

Outline Syllabus

Advanced brain anatomy and cognitive function.
Psychobiology: neuronal communication.
Neuroplasticity.
Methods in cognitive neuropsychology and their application to health.

Neuropsychological health in children.
Social cognition.
Everyday factors affecting neuropsychological health.
The aging brain: implications for health and wellbeing.
Degenerative diseases.
Treatment and intervention.

Module Learning Outcomes

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

- 1
 - a. identify and describe the functional architecture of complex brain anatomy which links to specific neuropsychological conditions related to health;
 - b. identify and evaluate the use of neuropsychological methods in the detection, evaluation and monitoring of certain neuropsychological conditions;
 - c. understand neuroplasticity;
 - d. Appreciate neuropsychological health in relation to child development;
 - e. Understand the relatively new field of social cognitive neuroscience and its application to health;
 - f. Appreciate factors affecting neuropsychological health;
 - g. Understand the aging brain and degenerative diseases and the implications for health and wellbeing;
 - h. Appreciate treatment and intervention methods.

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 - a. understand the organisation of a research article and how to use research articles to support learning;
 - b. appreciate ethical implications and individual differences in brain research;
 - c. understand approaches to treatment;
 - d. develop a cohesive general understanding and appreciation of the interaction between brain, behaviour and health applications.

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 - a. demonstrate good analytical and critical thinking skills;
 - b. demonstrate the use of IT skills to seek out current relevant literature related to the course material;
 - c. develop and demonstrate the ability to think critically when reading scientific literature and discussing topics in lectures and tutorials;
 - d. Work individually to create a cohesive oral presentation. Develop oral presentation skills to deliver complex material;
 - e. Develop oral presentation skills to deliver complex material.

Learning, Teaching and Assessment Strategy

Students will attend lectures and tutorials. Lectures will cover the main topic areas, promoting critical thinking and analysis of up to date information.

Tutorials will build and expand on topics covered in lectures to consolidate learning and promote critical discussion. Some tutorials will be dedicated to discussion and preparation for the assessed presentation.

Directed study for this module requires students to carry out independent reading relevant to the topics covered in lectures.

1. Individual oral presentation demonstrating a critical understanding of an advanced topic in neurocognitive health (30%).

2. The exam will assess breadth and depth of thinking attributed to the learning outcomes based upon topics covered in lectures (70%).

Mode of Assessment

Type	Method	Description	Length	Weighting	Final Assess'
Summative	Presentation	Individual 20 minute presentation, plus 5 minute discussion	20 minutes	30%	No
Summative	Examination - closed book	Examination to test knowledge and understanding of module material.	2 hours	70%	Yes

Legacy Code (if applicable)

Reading List

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