

Module Details	
Module Title:	Central Nervous System Mechanisms, Disorders and Therapeutics
Module Code:	CLS6004-B
Academic Year:	2019-20
Credit Rating:	20
School:	School of Pharmacy and Medical Sciences
Subject Area:	Clinical Sciences
FHEQ Level:	FHEQ Level 6
Pre-requisites:	
Co-requisites:	

Contact Hours	
Type	Hours
Lectures	24
Practical classes and workshops	3
Tutorials	4
Directed Study	169

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

Module Aims
To further develop a knowledge and understanding of the central nervous system, its organisation and an in depth appraisal of important disorders, our current understanding of the underlying mechanisms and treatments. To develop a critical appreciation of contemporary techniques and approaches to the experimental study of these topics

Outline Syllabus
Research design and evaluation; Functionality of the brain and central nervous system; synaptic plasticity, learning and memory. Mechanisms of cell death and links to nerve injury and repair, Parkinson`s disease and motor disorders, Motor Neurone Disease, Prion disease, Alzheimers

disease and dementia, treatment and care of dementia, Addiction, Schizophrenia, Anxiety and depression. Clinical context; current and future pharmacological treatments.

Learning Outcomes

1	Review important disorders of the Central Nervous System and evaluate current views on their underlying mechanism and treatment.
2	Critically analyse research papers relating to Central nervous system disorders
3	Use coherent communication, analysis and problem-solving skills to apply your knowledge to new concepts.
4	Work successfully in a team to interpret data, produce a poster and present an oral report.

Learning, Teaching and Assessment Strategy

Information outlining the knowledge and understanding required of this module will be delivered in lectures. Self-directed learning to support each topic will be carried out in your directed study time. This will develop your cognitive skills and reinforce the taught component will be highlighted in lectures and reviewed in tutorials. A formative assessment will be used to monitor your progress. Your knowledge base and critical analysis of the material will be assessed by a closed book examination.

You will work in groups in directed study time to research information, consider case studies and produce a research poster which will be summatively assessed; this will comprise a group mark for the poster weighted according to your self/peer assessment and an individual mark based on a question/answer session on the poster. The group exercise will require you to work under pressure, meet deadlines and develop communication and presentation skills.

Mode of Assessment

Type	Method	Description	Length	Weighting
Summative	Presentation	Group poster presentation and question/answer session End Semester 1	0 hours	30%
Summative	Examination - closed book	One written closed-book 2 hr examination End Semester 1	2 hours	70%

Reading List

To access the reading list for this module, please visit <https://bradford.rl.talis.com/index.html>.

Please note:

This module descriptor has been published in advance of the academic year to which it applies. Every effort has been made to ensure that the information is accurate at the time of publication, but minor changes may occur given the interval between publishing and commencement of teaching. Upon commencement of the module, students will receive a handbook with further detail about the module and any changes will be discussed and/or communicated at this point.