

Module Details	
Module Title	Central Nervous System Mechanisms, Disorders and Therapeutics
Module Code	CLS6004-B
Academic Year	2020/1
Credits	20
School	School of Pharmacy and Medical Sciences
Subject Area	Clinical Sciences
FHEQ Level	FHEQ Level 6
Pre-requisites	N/A
Co-requisites	N/A

Contact Hours	
Type	Hours
Online Lecture (Synchronous)	6
Online Lecture (Asynchronous)	18
Online Tutorials (Synchronous)	4
Directed Study	172

Availability	
Occurrence	Location / Period
BDA	University of Bradford / Semester 1

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 Parkinson`s disease and motor disorders, Motor Neurone Disease, Prion disease, Alzheimer`s disease and dementia, Addiction, Schizophrenia, Anxiety and depression. Clinical context; current and future pharmacological treatments.

Learning Outcomes	
Outcome Number	Description
01	Review important disorders of the Central Nervous System and evaluate current views on their underlying mechanism and treatment.
02	Critically analyse research papers relating to Central nervous system disorders.
03	Use coherent communication, analysis and problem-solving skills to apply your knowledge to new concepts.

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 an examination at the end of the module.

Mode of Assessment				
Type	Method	Description	Length	Weighting
Summative	Examination - Open Book	Online written assessment	2 hour	100%

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.

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