

Module Details	
Module Title	Neurobiology and Mental Health
Module Code	CLS5012-B
Academic Year	2024/5
Credits	20
School	School of Pharmacy and Medical Sciences
FHEQ Level	FHEQ Level 5

Contact Hours	
Type	Hours
Lectures	15
Practical Classes or Workshops	29
Directed Study	156

Availability	
Occurrence	Location / Period
BDA	University of Bradford / Academic Year

Module Aims
<p>To develop a good working knowledge of the structure and function of the nervous system and how it can be disrupted in pathophysiological conditions.</p> <p>To illustrate how disruptions of the nervous system can lead to disease symptoms and to familiarise the students with the main drug classes to treat these conditions, providing a link between the biological sciences and therapeutics.</p> <p>To develop an understanding of the individual, societal and global impact of mental health issues and illness, and the changing nature of the management of mental health care.</p> <p>To develop an understanding of neurodiversity and the challenges neurodiverse individuals may face. To utilise a range of critical and analytical methods and perspectives when considering neuroscience and mental health, and the current directions and focus of neuroscientific, clinical and mental health research.</p>

Outline Syllabus
<p>Neurotransmission pathways of the nervous system (somatic and autonomic), and associated pathophysiology (neurological and psychiatric).</p> <p>Pharmacological developments and treatments, and current research directions.</p> <p>The concept of neurodiversity and mental illness, including the theory and comparative models of the nature, prevalence and impact of these issues, and the importance of well-being.</p> <p>Mental health management, including social context and inequalities, the impact of migration and asylum, cultural differences and historical changes.</p>

Learning Outcomes	
Outcome Number	Description
01	Explain how disruptions of the central nervous system can lead to pathology and symptoms of disease.
02	Discuss the mechanism of action of the major pharmacological treatments for neurobiological disorders, and the benefits and risks associated with them.
03	Demonstrate an appreciation of the scope and impact of neurobiological disease at an individual, societal and global level, and discuss changing concepts of mental health and mental illness including historical and cultural differences.
04	Demonstrate an understanding of current UK mental health policy and practice (and its impact), and critically evaluate developments in the management of mental illness (including the role of mental health services, professionals and service user groups).
05	Examine the nature, prevalence and impact of neurobiological disease and mental illness, and the impact that inequalities in healthcare have on the prevalence, incidence and experience of mental illness.
06	Collect, evaluate and draw conclusions from clinical data using sources of information available within the discipline.

Learning, Teaching and Assessment Strategy
<p>The knowledge and understanding required for this module will be delivered in research-informed lectures and supported in tutorials and workshops and with resources available through the VLE (Canvas). Directed study time will enable students to develop and enhance their knowledge and analytical skills by undertaking reading of key texts and supporting resources, in order to support preparation for tutorials/workshops and assessment.</p> <p>A written assessment in semester 1 (analysis and critical review of a provided case study) will be used to develop analytical and critical skills, as well as deeper understanding of the topics, with individual and peer feedback provided on a formative case study analysis. Students will have optionality in negotiating their topic for the creation of a hypothetical case study based on a neurobiological or mental health disorder (mid-semester two).</p> <p>Students can monitor their learning using a formative short answer examination (in semester two). A closed book examination comprising short answer questions will be the final summative assessment.</p>

Mode of Assessment			
Type	Method	Description	Weighting
Summative	Coursework - Written	Case study (1500 words)	50%
Summative	Computerised examination	Computerised written exam (closed book)	50%

Reading List
To access the reading list for this module, please visit <a href="https://bradford.rl.talis.com/index.html">https://bradford.rl.talis.com/index.html</a>

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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