

Module Details	
Module Title	Skin, Sensation and Movement
Module Code	CLS5003-B
Academic Year	2021/2
Credits	20
School	School of Pharmacy and Medical Sciences
FHEQ Level	FHEQ Level 5

Contact Hours	
Type	Hours
Lectures	36
Online Tutorials (Synchronous)	7
Practical Classes or Workshops	11
Directed Study	146

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

Module Aims
To develop an appreciation of the anatomy, physiology and functioning of the central nervous system (CNS) and to provide an introduction to the pathophysiology of CNS disorders and their treatment. To provide an introduction to the normal structure and function of the musculoskeletal/locomotor system and to consider the effects and management of some common pathologies and injuries. To develop an understanding of the structure and function of skin and the implication of damage in wounds, burns and skin cancer.

Outline Syllabus
Development and anatomical organisation of the CNS; meninges, blood supply, telencephalon, diencephalon, midbrain, hindbrain, spinal cord. CNS physiology: Somatosensory System, Nociception and Pain, Local and General Anaesthetics, Auditory System, Visual System, Olfactory and Gustatory Systems, Emotions and the Amygdala. Development, structure, function and control of musculoskeletal system. Examples of pathologies affecting the musculoskeletal system. Neuromuscular drugs. Development, structure and function of the integumentary system; homeostasis and skin damage including wound healing, burns and cancer. Common skin disorders and ageing.

Learning Outcomes	
Outcome Number	Description
01	Describe the major features of the central nervous system, musculoskeletal and integumentary systems, including some elements of their development, as well as their structure, function, control, pharmacology and important diseases.
02	Research, evaluate and describe clinical aspects of physiological control systems associated with the CNS, skin and musculoskeletal system.
03	Work with a team to a clearly defined goal, negotiate deadlines and tasks.
04	Use effective written and verbal communication skills

Learning, Teaching and Assessment Strategy
Information outlining the knowledge and understanding required of this module will be delivered in asynchronous online lectures, synchronous online lectures, and practical workshops (online in semester 1, but currently planned as face-to-face in semester 2). Self-directed learning to support each topic will take place in your directed study. This will develop your cognitive skills and reinforce the taught component which will be highlighted in lectures and reviewed/discussed in online synchronous workshops. Formative online assessments will be routinely used to monitor your progress. Your knowledge base of the material will be assessed by an online, closed book examination in Semester 2 comprising MCQ/EMQ questions and short answer questions. You will work in groups to research information, consider disease states to produce an evaluative 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	Weighting
Summative	Examination - Closed Book	Examination (MCQ/EMQ & short answers) - semester 2 (2 Hrs)	80%
Summative	Presentation	Group (online) poster presentation - End Semester 1	20%

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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