

Module Details	
Module Title	Neuromusculoskeletal- Spinal
Module Code	PAR5010-B
Academic Year	2022/3
Credits	20
School	School of Allied Health Professions and Midwifery
FHEQ Level	FHEQ Level 5

Contact Hours	
Type	Hours
Online Lecture (Asynchronous)	10
Seminars	30
Practical Classes or Workshops	30
Directed Study	130

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

Module Aims
To ensure that students develop an understanding of spinal anatomy, related central & peripheral nervous systems, neuro-orthopaedic conditions/impairment, myology & rheumatology, function & dysfunction across the age range. To integrate research-informed knowledge and skills in a practice environment to enable students to appropriately, assess, manage and evaluate outcomes with the person central to decision making.

Outline Syllabus
Functional spinal anatomy to include biomechanical principles, neurology, osteology, arthrology, myology. Biopsychosocial assessment & management of spinal dysfunction, to include posture/ergonomics. Common spinal pathologies and Long Term Conditions e.g. spina bifida, scoliosis, osteoporosis, spinal surgery. Back care advice, Self-management, return to work pathways. Use of 'Electrotherapy' and therapeutic massage., role of the wider team. Structure function and dysfunction of pelvic floor. Spinal Cord Injury and rehabilitation. Use and prescription of therapeutic exercise, balance and proprioception and manual therapy skills. Effective note-keeping, gaining informed consent, 'patient safety' protocols e.g. Cervical Artery Dysfunction screening, wheelchair mobility, Display Screen Equipment. Use of outcome measures (including satisfaction) Use of Therapeutic handling in line with key drivers and policy.

Learning Outcomes	
Outcome Number	Description
01	1.1 Demonstrate verbally, practically and in written format an understanding of spinal, relevant peripheral and central nervous system anatomy, function and dysfunction related to movement, posture and coordination across the age range. 1.2 Apply evidence based practical and developing clinical reasoning skills to justify and demonstrate high quality, safe and appropriate assessment and management of spinal, peripheral and central nervous system dysfunction.
02	2.1 Demonstrate competence in the role of a Physiotherapy or Sport Rehabilitation student within a Neuro-musculoskeletal environment with a vertebral caseload. 2.2 Evaluate the role of a Physiotherapist or Sport Rehabilitator within a Neuro-musculoskeletal practice environment which may include a wider team.
03	3.1 Apply sound clinical reasoning skills to develop own practice and that of a wider team. 3.2 Reflect upon assessment and management skills which would include self-management. 3.3 Develop study skills including use of literature searching, critical appraisal skills, clinical reasoning, academic and reflective writing. 3.4 Develop and demonstrate the use of Technology Enhanced Learning tools. 3.5 Demonstrate the ability to work in accordance with the code of ethics appropriate to HCPC or BASRaT

Learning, Teaching and Assessment Strategy
Students will undertake a range of research informed key lectures which will be delivered using a blended learning approach. Technology will be used to increase engagement and interaction with learning technologies and the learning process. Practical sessions and facilitated group discussion will reflect the use pre-determined case scenarios across the age-range. Case scenarios present a mixture of short and long-term NMSK conditions which will reflect the caseload commonly encountered in professional practice. Directed study includes the use of pre-identified web-resources and key texts to assist the student in engaging with the learning process via learning technologies. The VLE will be used to provide access to online resources, lecture notes, assessment strategy and external links to websites of interest LO 1.1, 1.2, 2.1, 2.2, 3.1-3.5. Formative assessment and feedback will be available at individual/group tutorial sessions and electronic communication to facilitate reflection, preparation for summative assessment and self-assessment. Achievement of the LO's 1.1, 1.2, 2.1, 3.1,3.2, 3.5 will be assessed in assessment mode 1 a practical viva using one of the pre-identified case scenarios LO's 1.1, 1.2, 2.1, 2.2, 3.1,3.2, 3.3, 3.4, 3.5 will be assessed by mode 2, a written submission or presentation addressing aspects of an individual patient assessment to include elements of management by producing a clinically reasoned objective assessment plan of the identified case.

Mode of Assessment			
Type	Method	Description	Weighting
Summative	Coursework - Written	2000 word written assignment or 15 minute presentation with 5 minute questions	40%
Summative	Examination - oral/viva voce	Case study viva practical (Must pass at 40%)	60%

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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