

| Module Details |                                                   |
|----------------|---------------------------------------------------|
| Module Title   | Neurological Practice                             |
| Module Code    | PAR5008-B                                         |
| Academic Year  | 2020/1                                            |
| Credits        | 20                                                |
| School         | School of Allied Health Professions and Midwifery |
| Subject Area   | Physiotherapy and Rehabilitation                  |
| FHEQ Level     | FHEQ Level 5                                      |
| Pre-requisites | N/A                                               |
| Co-requisites  | N/A                                               |

| Contact Hours                  |       |
|--------------------------------|-------|
| Type                           | Hours |
| Learning Objects Interaction   | 10    |
| Online Lecture (Asynchronous)  | 20    |
| Online Seminar (Synchronous)   | 10    |
| Practical Classes or Workshops | 22    |
| Directed Study                 | 138   |

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

| Module Aims                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>To develop an understanding of neurological conditions through the integration of knowledge of the neuromuscular system with underlying pathological processes. To be able to adopt a problem solving approach to the assessment and management of the neurological patient across the age range and patient journey, linking national and public health agendas with an appreciation of the context of neurological rehabilitation of long term conditions. This will include the use of appropriate rehabilitation strategies and outcomes via the development of therapeutic handling and management skills.</p> |

## Outline Syllabus

Underlying pathological processes.  
 Structure and function of the neurological system.  
 Integration of patho-physiological concepts with basic physiotherapeutic interventions.  
 Normal development and developmental disorders.  
 The impact of aging on the neurological system including dementia.  
 Aetiology, pathology, clinical presentation of the major peripheral and neurological conditions.  
 Analysis of normal and abnormal movement.  
 Practical, neurological, therapeutic and management skills to include a number of holistic treatment approaches taking account of client-centred and negotiated care pathways.  
 Effective note keeping, gaining informed consent, patient safety.  
 Patient management taking into account evaluation and modification of treatment and outcomes.  
 Psychosocial factors influencing response to treatment.  
 Role of the physiotherapist as part of the wider multi-disciplinary team.  
 Scenario based problem solving and the use of research evidence.  
 The principles of self-management in long term neurological conditions.

## Learning Outcomes

| Outcome Number | Description                                                                                                                                                                                                                                                                                                                                                 |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01             | 1.1 Evaluate the physiological responses of the neuromuscular system in health and disease states. 1.2 Explore and analyse aetiology and pathology with relation to complex neurological conditions. 1.3 Apply theoretical knowledge to make reasoned judgement regarding the management of neurological patients.                                          |
| 02             | 2.1 Relate clinical presentations to underlying pathophysiology. 2.2 Critically apply an evidence-base to justify patient management. 2.3 Evaluate assessment findings, therapeutic handling and management skills. 2.4 Evaluate management of neurological patients using problem-solving skills and appropriate outcome measures.                         |
| 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. 3.3 Formulate a reasoned evidence based position through consideration of the supporting evidence. 3.4 Behave in a professional manner in accordance with HCPC standards of professional conduct and ethics. |

## Learning, Teaching and Assessment Strategy

Key research informed lectures will focus on the themes of neuromuscular physiology and neurological conditions across all age groups 1.1, 1.2, 1.3, 2.1, 2.2, 2.3, 2.4 and 3.3. Practical sessions will provide students with opportunities to develop appropriate assessment, treatment and management strategies alongside reasoning clinical decisions in preparation for forthcoming clinical placements. Participation of service users and carers, video analysis, clinical visits, case studies and scenario based problem solving will further enhance knowledge 1.1, 1.3, 2.1, 2.2, 2.3, 2.4, 3.1, 3.2 and 3.3 Directed study will include reading toward module outcomes, completion of worksheets and peer evaluation of formative work. The VLE will be used to provide access to online resources, lecture notes and external links to websites of interest 1.1, 1.2, 1.3, 2.1, 2.2, 3.1, 3.2 and 3.3. Formative assessment and peer feedback will be available at group tutorial sessions, further supported by electronic communication to facilitate reflection, preparation for summative assessment and self-assessment. Assessment mode 1 will be a MCQ examination and will assess LO's 1.2, 1.2, 1.3 Assessment mode 2 will be a movement analysis practical assessment and will assess learning outcomes. 2.1, 2.2, 2.3, 2.4, 3.1, 3.2, 3.3, 3.4

| Mode of Assessment |                              |                                              |         |           |
|--------------------|------------------------------|----------------------------------------------|---------|-----------|
| Type               | Method                       | Description                                  | Length  | Weighting |
| Summative          | Examination - oral/viva voce | Movement Analysis Oral/Viva voce Examination | 30 mins | 70%       |
| Summative          | Examination - MCQ            | Multiple choice questions                    | 1 hour  | 30%       |

| 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.*

---

© University of Bradford 2020

<https://bradford.ac.uk>