

| Module Details | |
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| Module Title | Neuromusculoskeletal - Peripheral |
| Module Code | PAR4009-E |
| Academic Year | 2023/4 |
| Credits | 60 |
| School | School of Allied Health Professions and Midwifery |
| FHEQ Level | FHEQ Level 4 |

| Contact Hours | |
|--------------------------------|-------|
| Type | Hours |
| Lectures | 40 |
| Practical Classes or Workshops | 100 |
| Directed Study | 180 |
| Independent Study | 180 |

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

| Module Aims |
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| <p>To ensure the students develop knowledge, understanding and application of peripheral joint functional neuromusculoskeletal anatomy in relation to human development and dysfunction. To enable students to appropriately assess, manage and evaluate outcomes with the person central to decision making. To integrate research-informed knowledge and skills in order to develop the student's critical, analytical, practical and written skills in the assessment & management and rehabilitation of peripheral joint dysfunction throughout the life cycle in a practice environment</p> |

Outline Syllabus

Introduction to HCPC Standards of Conduct Performance & Ethics for Students & CSP professional standards.
 Anatomy of peripheral joints (hip, knee, ankle, foot, shoulder girdle, glenohumeral, elbow, radioulnar, wrist and hand joints related to function & dysfunction.
 Histology of connective and myogenic tissue
 Inflammation and healing of bone and soft tissues
 Pathology including age related changes in joints and soft tissues
 Electrotherapy including Pulsed Short Wave Therapy, ultrasound, TENS & Interferential.
 Thermal therapies -cryotherapy/heat
 Movement analysis including normal movement / Gait - Normal, Pathological- related to balance/falls
 Proprioception/sensorimotor system - theory & application
 Splints, Walking aids, other aids/adaptations
 Exercise - range of movement, strength, sensorimotor perception, function, stretching
 Rehabilitation of individuals & groups
 Manual therapy including massage
 Assessment
 Documentation
 Outcome measures
 Pain- neuroanatomy & physiology plus application in manual therapy.
 Patient/ Client Safety
 Introduction to research informed evidence based practice

Learning Outcomes

| Outcome Number | Description |
|----------------|---|
| 01 | 1.1 Demonstrate your understanding of how peripheral neuromusculoskeletal anatomy develops in relation to normal function. 1.2 Discuss how pathological, cultural, socioeconomic and psychosocial factors may impact on the development of upper and lower limb function, dysfunction and quality of life. 1.3 Discuss professional issues concerning physiotherapy and sport rehabilitation within health, social care or sporting environments. 1.4 Describe the human factors that can enhance and inhibit effective Inter-professional team working. |
| 02 | 2.1 Apply knowledge of neuromusculoskeletal anatomy to the assessment, analysis, recognition and management of upper and lower limb function and dysfunction, in patients of all ages and from diverse backgrounds. 2.2 Develop preliminary clinical reasoning skills. 2.3 Demonstrate competent application and evaluation of a variety of management and treatment approaches to upper and lower limb dysfunction in patients of all ages and from diverse backgrounds. 2.4 Identify the skills, values and behaviours of a professional practitioner working across a range of diverse health, social care or sporting environments. |
| 03 | 3.1 Demonstrate an ability to communicate clearly, succinctly and professionally across a range of formats. 3.2 Develop effective study skills in reflection, critical thinking, academic writing and referencing. 3.3 Develop team working skills. 3.4 Demonstrate the ability to work in accordance with the code of ethics appropriate to the HCPC. |

Learning, Teaching and Assessment Strategy

Students will undertake a range of research informed learning & teaching activities including key lectures which will be delivered using a blended learning approach. This module will be delivered using a combined face-to-face and technology enhanced learning to increase engagement and interaction with the learning process.

Students will participate in campus-based and online lectures, practical sessions, team based learning, tutorials and seminars (LO1.1 - 1.4; 2.1 -2.4; 3.1-3.3). Lectures will deliver theoretical knowledge which will then be applied in practical sessions (LO 1.1-1.3; 3.1-3.3). Seminars & tutorials will provide opportunities to develop knowledge further and identify and resolve gaps in understanding (LO1.1- 1.4; 3.1-3.3). Practical sessions will provide opportunity to develop practical skills individually & in groups (LO2.1-2.4, 3.3-3.5).

Directed self-study provides the opportunity to search and read the evidence base surrounding physiotherapy, health and social care (LO3.1-3.2). Students will develop skills in information and communication technology by using the VLE and by utilising a variety of databases to search for relevant literature. (LO3.1-3.2)

Formative assessment & feedback will be available at individual/group tutorial sessions, including electronic communication, to facilitate reflection, preparation for summative assessment and self-assessment.

LO 1.1, 1.2, 2.1, 2.2, 3.1, 3.3, 3.4 will be assessment by assessment mode 1 (practical exam), LO's 1.2, 1.3, 1.4 , 2.1, 2.4,3.1, 3.2, 3.4 by assessment mode 2 (individual written assignment), LO's 2.3, 3.1, 3.4 by assessment mode 3 (ongoing competency assessments).

Mode of Assessment

| Type | Method | Description | Weighting |
|-----------|---|-------------------------------------|-----------|
| Summative | Objective Structured Clinical Examination | On going competency. | 0% |
| Summative | Coursework - Written | Written Assignment | 50% |
| Summative | Objective Structured Clinical Examination | Case study Viva practical (35 mins) | 50% |
| Formative | Coursework | written assignment | N/A |

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.