

Neuromusculoskeletal- Peripheral

Module Code:	PAR4009-E
Academic Year:	2018-19
Credit Rating:	60
School:	School of Allied Health Professions and Midwifery
Subject Area:	Physiotherapy and Rehabilitation, Sport Rehabilitation
FHEQ Level:	FHEQ Level 4

Pre-requisites:

Co-requisites:

Contact Hours

Type	Hours
Lectures	55
Practical classes and	100
Tutorials	33
Directed Study	412

Availability Periods

Occurrence	Location/Period
BDA	University of Bradford / Academic Year (Sept - May)

Module Aims

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.

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

Module Learning Outcomes

On successful completion of this module, students will be able to...

- 1
 - 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.
- 2
 - 2.1 Apply knowledge of neuromusculoskeletal anatomy to the assessment, analysis, recognition & management of upper & lower limb function & dysfunction in patients of all ages & 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 & lower limb dysfunction in patients of all ages & 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.
- 3
 - 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 & referencing.
 - 3.3 Develop team working skills.
 - 3.4 Demonstrate the ability to work in accordance with the code of ethics appropriate to 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 assessed by assessment mode 1, LO's 1.2, 1.3, 1.4, 2.1, 2.4, 3.1, 3.2, 3.4 by assessment mode 2, LO's 2.3, 3.1, 3.4 by assessment mode 3

Mode of Assessment

Type	Method	Description	Length	Weighting	Final Assess'
Summative	Examination - practical/lab oratory	On-going competency assessments		10%	No
Summative	Examination - practical/lab oratory	Case study viva practical	35 minutes	50%	No
Summative	Coursework	Written assignment	-2000 words	40%	No

Legacy Code (if applicable)

Reading List

To view Reading List, please go to [rebus:list](#).

