MODULE SPECIFICATION

Module Code:	PHY503

Module Title:	Neurological Physiotherapy and Rehabilitation

Level:	5	**Credit Value:**	20

Cost Centre(s):	GAPT	JACS3 **code**: HECoS code:	B160 100252

Faculty	Social and Life Sciences	**Module Leader:**	Nikki Savage

Scheduled learning and teaching hours	45 hrs
Guided independent study	155 hrs
Placement	0 hrs
Module duration (total hours)	200 hrs

Programme(s) in which to be offered (not including exit awards)	Core	Option
BSc (Hons) Physiotherapy	✓	☐
	☐	☐
	☐	☐

Pre-requisites

Office use only
Initial approval: 24/05/2019 Version no: 1
With effect from: 23/09/2019
Date and details of revision: Version no:

Module Aims
To enable students to apply anatomy, physiology, pathology and normal movement to develop reflective and problem solving skills in the physiotherapy assessment, rehabilitation and evaluation of neurological conditions.

Intended Learning Outcomes

Key skills for employability

KS1	Written, oral and media communication skills
KS2	Leadership, team working and networking skills
KS3	Opportunity, creativity and problem solving skills
KS4	Information technology skills and digital literacy
KS5	Information management skills
KS6	Research skills
KS7	Intercultural and sustainability skills
KS8	Career management skills
KS9	Learning to learn (managing personal and professional development, self-management)
KS10	Numeracy

	At the end of this module, students will be able to	Key Skills	
1	Relate and integrate neuroscience, physiology, anatomy, development and normal movement to physiotherapy assessment and treatment for neurological conditions.	KS1 KS3 KS6	KS2 KS5 KS8
2	Demonstrate an understanding of the pathology of and physiotherapy management and rehabilitation for neurological conditions	KS1 KS3 KS8	KS2 KS6
3	Analyse a selection of examination and treatment techniques and outcome measures used in the physiotherapy management and rehabilitation with patients presenting with neurological conditions and analyse their use.	KS2 KS7 KS9	KS3 KS8 KS10
4	Discuss examples of the physiotherapy management of patients in the context of the multi-disciplinary team.	KS1 KS3 KS8	KS2 KS7 KS9
5	Analyse the role of the physiotherapist in neurological rehabilitation in acute and chronic conditions and the psychological, social and emotional effects of these conditions.	KS1 KS3 KS8	KS2 KS7 KS9

Transferable skills and other attributes

By the end of the module the student will demonstrate:

Professional skills
Team working
Communication skills
Reflective skills
Inter-professional working

Derogations

Students are permitted a maximum of two attempts in any modules
A minimum pass mark of 40% must be achieved in all modules, therefore condonement is not permitted

Assessment:

Indicative Assessment Tasks:

Students will present a written evidence based report where they compare and contrast the management of a case study of their selection within a neurological context.

Assessment number	Learning Outcomes to be met	Type of assessment	Weighting (%)	Duration or Word count (or equivalent if appropriate)
1	1 -5	Evidence Based report	100%	2500 words

Learning and Teaching Strategies:

The delivery of this module will consist of lectures, interactive classroom sessions, tutorials, group and practical sessions. In order to provide sufficient contact time to develop and refine practical skills of assessment and treatment, the contact time for this module provides an additional 6 hours above the recommended amount for level 5.

It is intended that the module will provide support to students throughout the module; however, students will be encouraged to become increasingly autonomous as they gain competence and confidence within their studies.

A flipped classroom approach will be used to move the learning of essential content such as normal anatomy and dysfunction so that application can be transparently consolidated.

All learning and teaching is supported by the University's virtual learning environment Moodle and students will be able to access clear and timely information to support delivery of content such as videos, links to intranet information, open forums and pre-recorded lectures.

Syllabus outline:

The module will consider both adult and paediatric neurological conditions, which will include stroke, Parkinson's Disease, acquired brain injury, motor neurone disease, Guillain-Barre syndrome, cerebral palsy and Down's Syndrome.

Students will develop knowledge of the importance and the role of each of the key contributors of the multi-disciplinary team including posture and mobility services, speech and language therapists and occupational therapy.

Practical elements of the module will further develop the handling skills of students through introduction of treatment/therapeutic handling and neuromuscular facilitation along with other neurological rehabilitation practical skills.

Students will learn assessment and management strategies for neurological impairments such as impaired balance, ataxia and altered tone considering a range of clinical settings from acute stroke units to long-term management at home.

Indicative Bibliography:

Essential reading

Jones, K. (2011), Neurological Assessment: A Clinician's Guide. London: Churchill Livingstone.

Lennon, S. Ramdharry, G. and Verheyden, G. (2018), Neurological Physiotherapy Pocketbook, 2nd ed. Edinburgh: Elsevier.

Lennon, S. Ramdharry, G. and Verheyden, G. (2018), Physical Management for Neurological Conditions, 4th ed. Edinburgh: Elsevier.

Other indicative reading

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