



MODULE SPECIFICATION

Part 1: Information			
Module Title	Neurology 2		
Module Code	UZYSY7-15-2	Level	Level 5
For implementation from	2020-21		
UWE Credit Rating	15	ECTS Credit Rating	7.5
Faculty	Faculty of Health & Applied Sciences	Field	Allied Health Professions
Department	HAS Dept of Allied Health Professions		
Module type:	Standard		
Pre-requisites	None		
Excluded Combinations	None		
Co- requisites	None		
Module Entry requirements	None		

Part 2: Description
<p>Educational Aims: See Learning Outcomes.</p> <p>Outline Syllabus: The syllabus includes:</p> <p>Biological Sciences:</p> <p>Disruption to mechanisms of normal postural tone and volitional movement - flaccidity, spasticity, rigidity, ataxia, dystonia, motor learning, motor relearning, neuromuscular plasticity.</p> <p>Adult Neurology:</p> <p>Definition, aetiology, pathology, clinical features, course, prognosis, principles of medical /surgical management and physiotherapy assessment and management of:</p> <ul style="list-style-type: none"> Cerebrovascular event – infarct and haemorrhage Parkinsons disease Multiple sclerosis Cerebellar ataxia Spinal cord injuries

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Bell's Palsy:

Clinical presentation, principles of medical and physiotherapy management.

Neurological examination and assessment skills relevant to the module content.

Therapeutic handling

Neurological Treatment Skills relevant to the module content:

Bobath approach, movement science approach (motor re-learning approach), sensory re-training, basic principles of proprioceptive neuromuscular facilitation, exercise therapy, low frequency Neuromuscular Stimulation [NMS].

General Issues:

Working in a team, roles within the multidisciplinary team, discharge planning, transfer of physiotherapy skills and knowledge to a variety of settings. For example, acute, rehabilitation setting, out-patients, community, private practice assessment of need.

The influence of various policies and relevant legislation in the rehabilitation of patients with neurological damage.

National Guidelines:

National institute for Health and Care Excellence (NICE), Royal College of Physicians (RCP), Scottish Intercollegiate Guidelines Network (SIGN).

Critical appraisal skills relevant to the module content

Evidence-based practice

Communication issues

Psychological Issues:

Psychological issues in neurological conditions - paediatrics and adult changes in cognitive processes as a result of neurological damage: memory, behaviour, motivation, attention, information processing in patients with certain neurological conditions.

Disability and Chronic Illness:

Coping, effect of cognitive, perceptual and behavioural problems on rehabilitation.

Transition and Change:

Loss, bereavement, adjusting to change, coping.

Teaching and Learning Methods: A wide selection of teaching and learning approaches will be used such as lectures, seminars, practical sessions, patient demonstration sessions, service-user involvement, and e-learning.

Lectures provide an introduction and summary of the topic area.

Seminars/group work include discussion and use of information provided to support learning use of workbooks, material gained from self-directed study, case studies, video analysis.

Practical sessions focus on physiotherapy techniques with clinical reasoning and problem solving skills being developed, utilising; practical skills training, role play, videos and case studies.

Additionally, students are expected to engage in self-study/ independent learning using the resources available on blackboard. A major part of their study time is taken up by preparation for

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teaching sessions and assessment.

Scheduled learning includes lectures, seminars, tutorials, demonstration, practical classes and workshops; supervised time in studio/workshop and clinical practice.

Independent learning includes hours engaged with essential reading, case study preparation, and summative assessment.

Contact Hours:

40 contact hours to usually include 2-3 hours of lectures and 5 hours of seminars/practical's per week over 5 weeks (1 semester).

Part 3: Assessment

Component A: Objective Structured Clinical Examination (OSCE), 35 minutes.

Strategy:

Students will be assessed on theoretical knowledge and practical skills and which are core for neurological practice. Real life patient videos are used thereby providing excellent links to clinical practice. Similarly, real case scenarios are used which allows students to plan and demonstrate practical and clinical reasoning skills. The theoretical aspects will be tested by questioning and assessing clinical reasoning skills and evidence based practice during the Objective Structured Clinical Examination (OSCE) practical exam.

A formative assessment opportunity is available via a mock OSCE and students are given feedback on their performance. In addition, short answers questions are available via Blackboard whereby students can test their theoretical knowledge base; module answers are made available at a later date in order for students to self-assess their performance.

First Sit Components	Final Assessment	Element weighting	Description
Practical Skills Assessment - Component A	✓	100 %	Objective Structured Clinical Examination (OSCE) - 35 minutes maximum
Resit Components	Final Assessment	Element weighting	Description
Practical Skills Assessment - Component A	✓	100 %	Objective Structured Clinical Examination (OSCE) - 35 minutes maximum

Part 4: Teaching and Learning Methods

Learning Outcomes On successful completion of this module students will achieve the following learning outcomes:

Module Learning Outcomes	Reference
Demonstrate a reasoned knowledge and understanding of the physiological changes which occur as a result of injury or disease in conditions affecting the central and peripheral nervous system	MO1
Discuss the causes, pathological changes and clinical presentation of diseases in conditions affecting the central and peripheral nervous system	MO2
Demonstrate assessment procedures / outcome measures and the interventions used in the field of neurological rehabilitation	MO3
Critically discuss the role of physiotherapy in the holistic management (for example, psychological, ethical, organisational, communication) of adult patients with neurological damage	MO4

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	Critically analyse the literature to inform evidence based practice in the management of these patients	MO5
	Demonstrate clinical reasoning skills in relation to physiotherapeutic management of neurological conditions	MO6
Contact Hours	Independent Study Hours:	
	Independent study/self-guided study	110
	Total Independent Study Hours:	110
	Scheduled Learning and Teaching Hours:	
	Face-to-face learning	40
	Total Scheduled Learning and Teaching Hours:	40
	Hours to be allocated	150
	Allocated Hours	150
Reading List	<p>The reading list for this module can be accessed via the following link:</p> <p>https://uwe.rl.talis.com/modules/uzysy7-15-2.html</p>	

Part 5: Contributes Towards

This module contributes towards the following programmes of study:

Physiotherapy [Sep][FT][Glenside][3yrs] BSc (Hons) 2019-20