Module Specification

Principles of Neurosciences

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Contents

Part 1: Information

Module title: Principles of Neurosciences

Module code: UZWSAC-20-3

Level: Level 6

For implementation from: 2023-24

UWE credit rating: 20

ECTS credit rating: 10

Faculty: Faculty of Health & Applied Sciences

Department: HAS School of Health and Social Wellbeing

Partner institutions: NBT Learning Centre Southmead H

Field: Acute and Critical Care Adult Nursing

Module type: Module

Pre-requisites: None

Excluded combinations: Principles of Neurosciences 2023-24

Co-requisites: None

Continuing professional development: Yes

Professional, statutory or regulatory body requirements: None

Part 2: Description

Overview: Pre-requisites: Registered Health Professional

Features: Not applicable

Educational aims: To enable the student to work competently across a range of differing professional care delivery contexts within the specialist field of neurosciences.

To develop and build on analytical skills needed to enhance self-awareness, self-development, decision making and problem solving in a range of clinical situations.

Outline syllabus: The syllabus will typically include:

Anatomy and Physiology of Neurosciences

Aetiology, pathology and clinical picture of neurological conditions

Recognition of the deteriorating conscious/unconscious patient, assessment and escalation process

Disease progression within Neuromedicine and Neurosurgery

Cognitive assessment of patient including mental health needs and the vulnerable adult

Understanding the psychology of the Neuroscience patient within the disease process.

Long term conditions, for example, Multiple Sclerosis; Motor Neurone Disease; Spinal Injuries; Parkinson's disease, and other movement disorders such as Muscular Dystrophy.

Stroke and associated deficits

Understanding the changing relationships of patients and carers

Psychological and social aspects of long term neurological conditions

Understanding pharmacological interventions within the confines of neurological disease

Changing aspects of person centred care

Understanding the geographical significance of and the specific impact on patient outcomes within Inter- professional and inter agency working, within neuroscience service

Knowledge of the implications of research and advanced practice within the neurosciences and the impact on services

Ethico-legal issues

Part 3: Teaching and learning methods

Teaching and learning methods: A variety of approaches will be used to further develop skills of clinical judgement. The emphasis will be on self-directed learning and reflective practice in order to evidence the acquisition of up to date research and practice knowledge. Students will be guided by the use of supported On-Line material, group work, structured exercises, tutorials, case studies, seminars and workshops. On the final study day students will be given the opportunity to attend a 'live brain dissection' in the Neuropathology labs, thus consolidating knowledge and learning through a visual demonstration of the brain and its functions.

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

MO1 Identify the skills necessary to assess an adult patient in a variety of complex and diverse settings

MO2 Demonstrate knowledge and understanding of neurological anatomy and pathophysiology

MO3 Recognise and evaluate the evidence underpinning neurological clinical practice in managing the changing needs of a patient, the needs of the deteriorating patient and the application of escalation systems

MO4 Identify and evaluate the impact of inter-professional and inter-agency working on the needs of a patient in a neurological practice setting

MO5 Identify and appraise your own role in recognising the need for change, demonstrating reflexive learning

MO6 Demonstrate an understanding of the complexities of the Neurosciences

Hours to be allocated: 200

Contact hours:

Independent study/self-guided study = 152 hours

Face-to-face learning = 48 hours

Total = 200

Reading list: The reading list for this module can be accessed at readinglists.uwe.ac.uk via the following link https://uwe.rl.talis.com/modules/uzwsac-20-3.html

Part 4: Assessment

Assessment strategy: Presentation of a defended poster (maximum of 20 minutes) to facilitate the student's demonstration of being able to apply knowledge and understanding of the needs of the Neuroscience patient/client.

-Assessment strategy: Poster presentation about an individual service improvement project chosen by the student. Focus on improving patient care.
-Assessment will involve a poster submission and a presentation based on the poster (15 mins maximum presentation time), plus critical questions (5 mins).

In addition to the generic academic support available for all UWE students (e.g. library resources, Studiosity), access to formative support will be provided in the form of an allocated academic supervisor throughout the module up until 10 working days before the submission date. This is to support the student through selecting an appropriate topic for service improvement and the academic process of it's exploration , discussion and critical analysis.

Assessment tasks:

Presentation (First Sit)

Description: Poster presentation (maximum 20 minutes)

Weighting: 100 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4, MO5, MO6

Presentation (Resit)

Description: Defended poster presentation (maximum 20 minutes)

Weighting: 100 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4, MO5, MO6

Part 5: Contributes towards

This module contributes towards the following programmes of study: