Module Specification

Principles of Neurosciences

Version: 2026-27, v2.0, Approved

Contents

Module Specification **1**

Part 1: Information **2**

Part 2: Description **2**

Part 3: Teaching and learning methods **4**

Part 4: Assessment **5**

Part 5: Contributes towards **6**

Part 1: Information

Module title: Principles of Neurosciences

Module code: UZWSAC-20-3

Level: Level 6

For implementation from: 2026-27

UWE credit rating: 20

ECTS credit rating: 10

College: College of Health, Science & Society

School: CHSS School of Health and Social Wellbeing

Partner institutions: Learning and Development Centre North at Bristol Trust (Do NOT use - Use 16286819)

Field: Acute and Critical Care Adult Nursing

Module type: Module

Pre-requisites: None

Excluded combinations: Principles of Neurosciences 2026-27

Co-requisites: None

Continuing professional development: Yes

Professional, statutory or regulatory body requirements: None

Part 2: Description

Overview: This module focuses on developing a comprehensive understanding of neurological care through three interconnected areas: clinical knowledge, patient journey analysis, and service improvement.

Features: Pre-requisites: Registered Health Care Professional and relevant to place of practice

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: The module will use a variety of approaches, which may include class-room based sessions, facilitated discussions, experiential learning, video analysis and tutorial.

Independent study will include engaging with the literature and preparation for teaching and assessment.

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

MO1 Analyse the care journey of a patient with a neurological condition by identifying key stages in care delivery and clinical management, evaluating areas for improvement in relation to best-practice standards and supporting literature.

MO2 Demonstrate understanding of the pathophysiology, treatment, and management of your chosen neurological condition, incorporating clinical appraisal of current evidence-based practices.

MO3 Evaluate and propose a realistic improvement to clinical practice by identifying challenges in care delivery, aligning with the patient's experience, and developing an evidence-informed service improvement plan using a quality improvement framework

Hours to be allocated: 200

Contact hours:

Independent study/self-guided study = 152 hours

Staff-guided learning = 48 hours

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/index.html

Part 4: Assessment

Assessment strategy: This module has one assessment.

Summative Assessment: Presentation 20 minutes (maximum) comprising 10 minutes (maximum) presentation followed by 10 minutes (maximum) of critical questioning.

The presentation of a defended poster about an individual service improvement project, will enable a focus on improving patient care. This will facilitate the student's application of knowledge and understanding of the needs of the neuroscience patient/client.

Formative assessment opportunities will be provided by the module team offering guided support and feedback on the initial service improvement idea, and further project plan. Additionally peer guided support is also available.

Assessment tasks:

Presentation (First Sit)

Description: Poster presentation (maximum 20 minutes)
10 minutes (maximum) for presenting
10 minutes (maximum) for critical questioning
Weighting: 100 %
Final assessment: Yes
Group work: No
Learning outcomes tested: MO1, MO2, MO3

Presentation (Resit)
Description: Poster presentation (maximum 20 minutes)
10 minutes (maximum) for presenting
10 minutes (maximum) for critical questioning
Weighting: 100 %
Final assessment: Yes
Group work: No
Learning outcomes tested: MO1, MO2, MO3

Part 5: Contributes towards

This module contributes towards the following programmes of study: