Module Specification

Professional Healthcare Science Practice

Version: 2025-26, v4.0, Approved

Contents

Part 1: Information

Module title: Professional Healthcare Science Practice

Module code: USSKLM-30-3

Level: Level 6

For implementation from: 2025-26

UWE credit rating: 30

ECTS credit rating: 15

College: College of Health, Science & Society

School: CHSS School of Applied Sciences

Partner institutions: None

Field: Applied Sciences

Module type: Module

Pre-requisites: None

Excluded combinations: None

Co-requisites: None

Continuing professional development: No

Professional, statutory or regulatory body requirements: None

Part 2: Description

Overview: This module has taken into account the need for a competency assessment that not only reflects core competencies required for a Healthcare Science Practitioner but has the flexibility for the identification of role specific competencies depending on the student's employing institution whilst enhancing person-centred care and professional practice. These role specific competencies will be identified by the employer to ensure the programme is truly employer responsive. This module is specifically for students within the BSc (Hons) Healthcare Science

Practitioner (Degree Apprenticeship) and will therefore be apprentices under the Education & Skills Agency Level 6 Healthcare Science Practitioner Degree Apprenticeship Standard.

Features: Not applicable

Educational aims: To provide the learner with an understanding of professional practice within the healthcare science community. Outlining the importance of the NHS constitution, the relevance of the apprenticeship standard (level 6) and how it relates to the individual learners professional role. The module prepares the learner for the apprenticeship End Point Assessment (EPA).

Outline syllabus: The work based learning content/competencies will be relevant to the role of the individual student within their workplace/placement and be defined by the appropriate learning packages within the Practitioner Training Programme (PTP) Training Manual.

Part 3: Teaching and learning methods

Teaching and learning methods: The training for and assessment of professional competencies is undertaken outside the University in a professional setting, combining practice with related study. Assessment of competence in professional practice must involve an appropriately qualified practitioner. In order to achieve its main purpose this module uses a variety of teaching and learning methods and approaches. Example types of evidence which will be collected from include:

Direct observation of practical skills (DOPS) – the observation and evaluation of a procedure or technique performed by a student in a live environment.

Case Base Discussions (CBD) providing teaching and feedback on a clinical or technical area, involving decision making and interpreting of evidence. They will enable discussions in professional and ethical contexts, and encourage reflective approaches.

Mini-clinical examinations (Mini-Cex). Snapshots of practitioner / patient or

practitioner / professional interactions. Assess clinical or laboratory skills and behaviours.

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

MO1 Demonstrate advanced knowledge, understanding and confidence in the application of core skills including communication skills, management and quality assurance.

MO2 Apply advanced scientific and clinical principles from academic modules into practice.

MO3 Critically review and evaluate healthcare departmental protocols in relation to core skills in health and safety, human rights, patient identification, communication skills, management, quality assurance, and routine tasks in relation to legislation, accreditation, guidelines and quality standards.

MO4 Perform competently a range of core, point of care and specialised methods and techniques as appropriate to the DEVISION and SPECIALIST ROUTE, and comply with required quality standards.

MO5 Demonstrate the ability to work with healthcare information systems.

MO6 Perform and audit of the effectiveness of one or more methods, including the introduction of new methods, and evaluate the outcome in the context of the clinical application.

MO7 Prepare and make an oral presentation to peers using appropriate software, presenting complex ideas, drawing inferences from data and discussing these with the audience.

MO8 Provide evidence of direct patient interaction, which may include laboratory medicine testing at the point of care, and interaction with other healthcare professionals.

MO9 The student will develop professional personal qualities and behaviours.

MO10 Challenge discriminatory behaviour and language.

MO11 Adapt communication style to meet the needs of listeners.

MO12 Respect and uphold the rights, dignity and privacy of patients.

MO13 Reflect and review own practice and strive to improve personal performance.

MO14 Consistently operate within the sphere of personal competence and level of authority while managing workload and objectives.

MO15 Active seeking of accurate and validated information from all sources to assist with judgement and decision making.

MO16 Contribute and co-operate in multidisciplinary teams.

Hours to be allocated: 300

Contact hours:

Independent study/self-guided study = 78 hours

Placement = 150 hours

Face-to-face learning = 72 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/modules/USSKLM-30-3.html

Part 4: Assessment

Assessment strategy: The assessment strategy complies with professional and assessment standards set out by the Modernising Scientific Careers curriculum, and encapsulates the End Point Assessment (EPA) as articulated within the IfATE Level 6 Healthcare Science Practitioner Degree Apprenticeship Standard.

Assessment 1; 2 and 3 – EPA requirements
The Readiness for Practice Test (Assessment 1: In-class test - EPA task 1) requires apprentices to review and respond to six workplace-based scenarios that represent examples of events or occurrences in the workplace for which the apprentice should be able to describe appropriate actions to be undertaken. The scenarios will be multifaceted, tapping into various aspects of the apprenticeship standard, and will require recall and application of learning from both the academic and workplace

training strands of the apprenticeship. The scenarios will be relevant to the apprentice's technical scientific and professional practice. To pass EPA task 1, a score of at least 60% within this task must be achieved (as per the apprenticeship standard assessment requirements).

The Professional Discussion (Assessment 2: Presentation - EPA task 2) is designed to assess the apprentice's ability to engage in a professional discussion in relation to the evidence that the apprentice has collected during their training with respect to learning and integrating knowledge and skills and which has been collated in their PTP portfolio. To pass EPA task 2, a score of at least 60% in all three sections within this task's grading criteria:

Discussion of apprentice's technical skill development

Discussion of apprentice's personal and professional development

Insight demonstrated to role of HCSP

must be achieved (as per the apprenticeship standard assessment requirements).

For the Research Project Presentation (Assessment 3: Presentation - EPA task 3) the apprentice will prepare and deliver a presentation on their research project completed within USSJSJ-30-3 Healthcare Science Project. The grading criteria for the research presentation will not focus on reassessing the scientific or academic content of the project (which will have been assessed within USSJSJ-30-3 Healthcare Science Project), but on the communication of the ideas contained within the project and the contribution the project makes to the understanding of healthcare science and services. This will involve specifically explaining how their project has contributed to their understanding of their role as a HCSP and the benefits for services and/or patients. To pass EPA task 3, a score of at least 60% within this task must be achieved (as per the apprenticeship standard assessment requirements).

All three assessment tasks of the EPA must be successfully passed (following the previously articulated conditions) to pass the module.

Assessment 4: Portfolio – Practitioner Training Programme requirements
For successful completion of the module the PTP portfolio (within the student's defined specialism) must be fully completed and verified.

Resit and Retake
For the Readiness for Practice Test, a resit or retake will be capped at Pass for the apprenticeship outcome only (as required by the apprenticeship standard). There is no capping for the degree outcome.

Assessment tasks:

In-class test (First Sit)
Description: EPA 1 - readiness for practice test (60 minutes). Pass mark is 60 %.
Weighting: 33 %
Final assessment: No
Group work: No
Learning outcomes tested: MO1, MO10, MO11, MO12, MO13, MO14, MO15, MO16, MO2, MO3, MO4, MO5, MO6, MO7, MO8, MO9

Presentation (First Sit)
Description: EPA 3 research project presentation (15 mins presentation then 15 mins discuss). Pass mark is 60 %.
Weighting: 34 %
Final assessment: Yes
Group work: No
Learning outcomes tested: MO1, MO10, MO11, MO12, MO13, MO14, MO15, MO16, MO2, MO3, MO4, MO5, MO6, MO7, MO8, MO9

Presentation (First Sit)
Description: EPA 2 - professional discussion (40 minutes). 60 % pass mark.
Weighting: 33 %
Final assessment: No
Group work: No

Learning outcomes tested: MO1, MO10, MO11, MO12, MO13, MO14, MO15, MO16, MO2, MO3, MO4, MO5, MO6, MO7, MO8, MO9

Portfolio (First Sit)
Description: PTP portfolio - Pass/Fail
Weighting: 0 %
Final assessment: No
Group work: No
Learning outcomes tested: MO1, MO10, MO11, MO12, MO13, MO14, MO15, MO16, MO2, MO3, MO4, MO5, MO6, MO7, MO8, MO9

In-class test (Resit)
Description: EPA 1 - readiness for practice test (60 minutes). Pass mark is 60 %.
Weighting: 33 %
Final assessment: No
Group work: No
Learning outcomes tested: MO1, MO10, MO11, MO12, MO13, MO14, MO15, MO16, MO2, MO3, MO4, MO5, MO6, MO7, MO8, MO9

Presentation (Resit)
Description: EPA 3 research project presentation (15 mins presentation then 15 mins discuss). Pass mark is 60 %.
Weighting: 34 %
Final assessment: Yes
Group work: No
Learning outcomes tested: MO1, MO10, MO11, MO12, MO13, MO14, MO15, MO16, MO2, MO3, MO4, MO5, MO6, MO7, MO8, MO9

Presentation (Resit)
Description: EPA 2 - professional discussion (40 minutes). 60 % pass mark.
Weighting: 33 %
Final assessment: No
Group work: No

Learning outcomes tested: MO1, MO10, MO11, MO12, MO13, MO14, MO15, MO16, MO2, MO3, MO4, MO5, MO6, MO7, MO8, MO9

Portfolio (Resit)
Description: PTP portfolio - Pass/Fail
Weighting: 0 %
Final assessment: No
Group work: No
Learning outcomes tested: MO1, MO10, MO11, MO12, MO13, MO14, MO15, MO16, MO2, MO3, MO4, MO5, MO6, MO7, MO8, MO9

Part 5: Contributes towards

This module contributes towards the following programmes of study:

Healthcare Science (Respiratory & Sleep Physiology) {Apprenticeship-UWE} [Frenchay] BSc (Hons) 2023-24

Healthcare Science (Neurophysiology) {Apprenticeship-UWE} [Frenchay] BSc (Hons) 2023-24

Healthcare Science (Cardiac Physiology) {Apprenticeship-UWE} [Frenchay] BSc (Hons) 2023-24

Healthcare Science (Renal Technology) {Apprenticeship-UWE} [Frenchay] BSc (Hons) 2023-24

Healthcare Science (Medical Engineering) {Apprenticeship-UWE} [Frenchay] BSc (Hons) 2023-24

Healthcare Science (Radiation Engineering) {Apprenticeship-UWE} [Frenchay] BSc (Hons) 2023-24

Healthcare Science (Radiotherapy Physics) {Apprenticeship-UWE} [Frenchay] BSc (Hons) 2023-24

Healthcare Science (Rehabilitation Engineering) {Apprenticeship-UWE} [Frenchay] BSc (Hons) 2023-24

Healthcare Science (Nuclear Medicine) {Apprenticeship-UWE} [Frenchay] BSc (Hons) 2023-24

Healthcare Science (Radiation Physics) {Apprenticeship-UWE} [Frenchay] BSc (Hons) 2023-24