

Module Specification

Foundation Sciences

Version: 2025-26, v2.0, Approved

Contents	
Module Specification	1
Part 1: Information	2
Part 2: Description Part 3: Teaching and learning methods	2
	3
Part 4: Assessment	4
Part 5: Contributes towards	5

Part 1: Information

Module title: Foundation Sciences

Module code: UZYYRW-15-0

Level: Level 3

For implementation from: 2025-26

UWE credit rating: 15

ECTS credit rating: 7.5

College: College of Health, Science & Society

School: CHSS School of Health and Social Wellbeing

Partner institutions: City of Bristol College

Field: Allied Health Professions

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 explores basic physical and chemical concepts in order to assist the students' basic understanding of their use in health and social wellbeing.

Features: Not applicable

Educational aims: This module aims to provide students with a foundational overview and understanding of the key scientific concepts required to understand and explain basic chemistry and physics principles in relation to health and social

Page 2 of 5 05 June 2025 wellbeing concerns.

The module syllabus contributes to the following Educational themes for this programme: Academic Development and Enquiry, Personal and Professional Skill Development, and Professional Values and Behaviours.

Outline syllabus: Module content will typically include:

Fundamentals of Chemistry and Physics e.g., Standardised International units, data types, atoms, the periodic table, chemical bonding, chemical reactions, energy types, forces and motions.

Structure of Matter and Chemical Kinetics, e.g., concepts of chemical kinetics, pH, acids, bases.

Wave and Radioactivity, e.g., examining the nature of longitudinal and transverse waves, and principles of radioactivity and radioactive decay.

Part 3: Teaching and learning methods

Teaching and learning methods: Scheduled learning may include a combination of in-person and online lectures, small group activities, supervised practical sessions, and demonstration.

Independent learning includes hours engaged with essential reading, assignment preparation and completion.

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

MO1 Recall key scientific concepts in the areas of chemisty and/or physics and how these apply to simple reactions and/or mechanisms

MO2 Explain and apply basic principles to demonstrate problem solving approaches in chemistry and/or physics

Page 3 of 5 05 June 2025

MO3 Apply critical thinking techniques to evaluate arguments in scientific texts, identifying assumptions and supporting evidence.

Hours to be allocated: 150

Contact hours:

Independent study/self-guided study = 114 hours

Face-to-face learning = 36 hours

Reading list: The reading list for this module can be accessed at readinglists.uwe.ac.uk via the following link <u>https://rl.talis.com/3/uwe/lists/1F4AEF2E-3549-8C51-8812-815A7D709073.html?lang=en-GB</u>

Part 4: Assessment

Assessment strategy: Assessment Task:

Creation of an information leaflet/zine (maximum of 2 sides of A4) on one element of chemistry and/or physics to communicate key scientific concepts. The leaflet/zine will include a 500 words maximum written reflective discussion about the process of creating the document, guided by a template of set questions.

Rationale:

This assessment method will enable students to explore a topic of choice and engage them in the consideration of lay language to communicate complex scientific ideas. The reflective part will help to develop reflexivity in practice which aligns to the theme of professional identity.

Formative assessment:

Students will be supported with formative opportunities throughout the module for both content learning, and leaflet/zine design through opportunities such as in-class and group discussion, exploration of formats and examples, and concept sharing/ elevator pitch opportunities.

Assessment tasks:

Set Exercise (First Sit)

Description: Leaflet/zine (max 2 sides of A4) including 500 word max reflective discussion. Weighting: 100 % Final assessment: Yes Group work: No Learning outcomes tested: MO1, MO2, MO3

Set Exercise (Resit) Description: Leaflet/zine (max 2 sides of A4) including 500 word max reflective discussion. 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:

Health Professions [COBC] WITHDRAWN Found 2025-26

Foundation Programme for Professions in Health and Social Care [City of Bristol College] Found 2025-26