



## **Module Specification**

### **Public Health Foundations**

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#### **Contents**

<b>Module Specification .....</b>	<b>1</b>
<b>Part 1: Information .....</b>	<b>2</b>
<b>Part 2: Description .....</b>	<b>2</b>
<b>Part 3: Teaching and learning methods .....</b>	<b>4</b>
<b>Part 4: Assessment.....</b>	<b>6</b>
<b>Part 5: Contributes towards .....</b>	<b>7</b>

## Part 1: Information

**Module title:** Public Health Foundations

**Module code:** UZVSL6-30-1

**Level:** Level 4

**For implementation from:** 2023-24

**UWE credit rating:** 30

**ECTS credit rating:** 15

**Faculty:** Faculty of Health & Applied Sciences

**Department:** HAS Dept of Social Sciences

**Partner institutions:** None

**Field:** Health, Community and Policy Studies

**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:** Not applicable

**Features:** Not applicable

**Educational aims:** See Learning Outcomes

**Outline syllabus:** This module provides an introductory framework focusing on the study of human health, promotion and protection and also introduces public health and environment, health and safety context for later studies in the programme.

Key concepts and definitions of health, public health and environmental health.  
Disciplinary perspectives; medical, social and ecological models of health.

Epidemiological concepts and definitions. Statistical concepts and definitions in relation to public health including sources and quality of public and environmental health data, at local, national and international level. This covers human populations and the factors which influence the frequency and distribution of diseases and ill health, how they can be studied and how data relating to these factors can be analysed, the sources and quality of public health data at local and national level needed to provide appropriate approaches and interventions to promote and protect health.

Physiological knowledge and human health - regulation and pathological mechanisms. Introduction to stressors and human toxicology.

Psychological knowledge and human health - human behaviour and health outcomes.

Selected case studies to introduce interpretation of public health evidence and most probable solution, for establishing an association between risk factor and disease.  
Holistic and multi-disciplinary approaches to public health.

Introduction to key public health policy issues; health and government sector organisation, workforce and roles; community and voluntary sector.

Introduction to health protection, health promotion and health improvement.

The role of health related practitioners in contributing to health protection and promotion is introduced, Skill development in this module making links to the professional and real world context of practice.

Microbiology - classification of cell type. Range of sizes. Eubacteria –groups based on characteristic structure, size, motility, reproduction, colony characteristics and

staining reactions.

Basic Microbial Techniques: Aseptic technique. Media preparation. Selective and differential media.

Microbial interactions: Intermicrobial interactions, plant-microbe interaction, animal-microbe interactions. The ways in which microbes are utilized in industry; in particular within the fields of remediation, waste management and food production.

Microbial pathogenicity.

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

**Teaching and learning methods:** 300 hours total study time

102 hours scheduled learning

Scheduled learning will typically include lectures, seminars, case studies, external visits and an interactive forum. All students are expected to attend a series of tutorials.

Introductory lectures are supported by seminars, case studies, visits and practical workshops.

300 hours study time of which 102 hours will represent scheduled learning.

Scheduled learning includes lectures, seminars, tutorials, external visits; work based learning; case study in teams.

Independent learning includes hours engaged with essential reading, case study preparation, assignment preparation and completion. Student study time will be organised each week with a series of both essential and further readings and preparation for the case studies. It is suggested that preparation for lectures and seminars will take 2 hours per week with a further expectation of 13 hours

preparation for Presentation, 14 hours used in case study planning and completion and 25 hours study in preparation for the written examination.

Scheduled learning includes lectures, seminars, tutorials, project supervision, demonstration, practical classes and workshops; fieldwork; external visits; work based learning; supervised time in studio/workshop.

Independent learning includes hours engaged with essential reading, case study preparation, assignment preparation and completion. These sessions constitute an average time per level. Scheduled sessions may vary slightly depending on the module choices you make.

Placement learning: may include a practice placement, other placement, year abroad.

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

**MO1** Describe the key concepts and perspectives of health and development of public health policy

**MO2** Understand physiological, toxicological and epidemiological concepts, definitions and mechanisms in relation to health, illness and disease

**MO3** Identify the roles of the agencies in surveillance of populations and the use of this epidemiological data to plan for local and national level management of incidents

**MO4** Comprehend the impact on health arising from poor nutrition, alcohol and drug misuse, exposure to sexually-transmitted diseases, lack of exercise and the range of mediating factors that impact on the likelihood and severity of outcome

**MO5** Establish the nature and epidemiological significance of a range of communicable diseases, identifying those that have a particularly strong environmental association

**MO6** Understand the principles of microbiology as they relate to our understanding of health, disease, hygiene and food technology

**MO7** Reproduce basic skills in the safe handling and containment of microorganisms, culture and standard operating procedures

**Hours to be allocated:** 300

**Contact hours:**

Independent study/self-guided study = 198 hours

Face-to-face learning = 102 hours

Total = 300

**Reading list:** The reading list for this module can be accessed at [readinglists.uwe.ac.uk](https://uwe.rl.talis.com/index.html) via the following link <https://uwe.rl.talis.com/index.html>

## **Part 4: Assessment**

**Assessment strategy:** A range of assessment techniques will be employed to ensure that learners can meet the breadth of learning outcomes presented in this module alongside the ability to demonstrate transferable skills, for example, communication skills.

**Examination:** A set of questions will be designed to allow students to apply the fundamental principles of public health and anatomy and physiology acquired throughout the module.

**Practical Reports:** This will comprise a series of reports designed to assess students' development of knowledge and skill based competencies within the field of microbiology. Each session will introduce a range of standard operating procedures performed using aseptic technique that will embed practical protocols.

Opportunities for formative assessment exist for each of the assessment strategies used. Verbal feedback is given and all students will engage with personalised tutorials setting SMART targets as part of the programme design.

**Assessment tasks:**

**Examination (First Sit)**

Description: 2 hour examination

Weighting: 40 %

Final assessment: Yes

Group work: No

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

**Practical Skills Assessment (First Sit)**

Description: Practical reports

Weighting: 60 %

Final assessment: No

Group work: No

Learning outcomes tested: MO6, MO7

**Examination (Resit)**

Description: 2 hour examination

Weighting: 40 %

Final assessment: Yes

Group work: No

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

**Practical Skills Assessment (Resit)**

Description: Practical reports

Weighting: 60 %

Final assessment: No

Group work: No

Learning outcomes tested: MO6, MO7

**Part 5: Contributes towards**

This module contributes towards the following programmes of study: