



Module Specification

Sustainable Futures

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Part 1: Information

Module title: Sustainable Futures

Module code: USSJQL-15-3

Level: Level 6

For implementation from: 2024-25

UWE credit rating: 15

ECTS credit rating: 7.5

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 looks forward to an alternative future with sustainable innovation and environmental protection at its core. With a focus on innovation and enterprise together with cognisance of political and socio-economic contexts, students will develop evidence based innovations, actions and technological solutions, for a sustainable global future.

Features: Not applicable

Educational aims: The module aims to:

- build on students skills and knowledge to problem solve global environmental sustainability challenges and to critically evaluate current and proposed future practice.
- inspire students to find practical innovative solutions to global sustainability challenges.

Outline syllabus: Notions of a sustainable future:

Evaluation of what we understand by a sustainable future and what are the key drivers and requirements for sustainable development.

Indicative key content to include and consider:

Sustainable Development; Limits to growth; Land use change; Social and Economic modelling; Global Environmental Governance; Green washing; Latest research.

Novel solutions for enabling sustainable futures:

Innovations and positive actions; technological solutions; mitigation and adaptation - both incremental and transformational; sustainable land use.

Sustainable future contexts:

Global environmental politics and political landscapes; social and economic contexts; colonial contexts; biodiversity loss; Population Change and Climate Driven Migration; Environmental anxiety.

Part 3: Teaching and learning methods

Teaching and learning methods: The module is delivered as an interactive lecture series and workshops.

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

MO1 Demonstrate a critical understanding of the impact of environmental and geopolitical landscapes upon sustainability.

MO2 Critically assess new innovations in sustainability within global political, economic and social contexts.

MO3 Formulate, develop and pitch an innovative and enterprising sustainable solution for an identified environmental issue or challenge.

Hours to be allocated: 150

Contact hours:

Independent study/self-guided study = 114 hours

Face-to-face learning = 36 hours

Total = 150

Reading list: The reading list for this module can be accessed at [readinglists.uwe.ac.uk](https://rl.talis.com/3/uwe/lists/F2A5462F-4B64-E0C0-CCBE-AA37D403138C.html?lang=en&login=1) via the following link <https://rl.talis.com/3/uwe/lists/F2A5462F-4B64-E0C0-CCBE-AA37D403138C.html?lang=en&login=1>

Part 4: Assessment

Assessment strategy: Assessment 1: Presented Research Proposal (Portfolio).

Students will individually pitch an innovation idea to solve a sustainability problem (30%). The pitch will take place in person (7 minute presentation + 3 minutes questions) and will build on presentations given in L5 modules Environment and Field Techniques, and Hydrology to Oceanography.

Students will receive verbal feedback, which feeds forward to the evidence based written research proposal.

The proposal (1800 words; 70%) is written in the style of that required by research councils in the field. This proposal should be for an innovative development to solve a sustainability problem. This innovation may be a new technology or policy or a new application of an existing technology. The proposal should demonstrate critical understanding of environmental/economical modelling, governance and socio-

economic and political landscapes.

Students will be supported to succeed in this assessment through assessment support workshops in which a range of proposals will be reviewed by students.

Assessment tasks:

Portfolio (First Sit)

Description: Written proposal, following from innovation pitch

Weighting: 100 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3

Portfolio (Resit)

Description: Written proposal, following from innovation pitch

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:

Environmental Science [Frenchay] MSci 2022-23

Environmental Science [Frenchay] BSc (Hons) 2022-23

Environmental Science {Foundation} [Sep][FT][Frenchay][4yrs] BSc (Hons) 2021-22

Environmental Science {Foundation} [Sep][FT][Frenchay][5yrs] MSci 2021-22

Environmental Science [Sep][SW][Frenchay][4yrs] BSc (Hons) 2021-22

Environmental Science [Sep][SW][Frenchay][5yrs] MSci 2021-22

Environmental Science {Foundation} [Sep][SW][Frenchay][6yrs] MSci 2020-21

Environmental Science {Foundation} [Sep][SW][Frenchay][5yrs] BSc (Hons) 2020-21

Integrated Wildlife Conservation {Top-Up} [Frenchay] BSc (Hons) 2024-25