Module Specification

Sustainable Business and Computing

Version: 2024-25, v3.0, 05 Jul 2024

Contents

Part 1: Information

Module title: Sustainable Business and Computing

Module code: UFCFLM-15-3

Level: Level 6

For implementation from: 2024-25

UWE credit rating: 15

ECTS credit rating: 7.5

College: College of Arts, Technology and Environment

School: CATE School of Computing and Creative Technologies

Partner institutions: None

Field: Computer Science and Creative Technologies

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: This module will give you an introduction to how businesses can be sustainable – economically, environmentally and socially.

You will learn about how computing can have damaging impacts on sustainability.

You will explore some of the ways in which Information and Communications Technology (ICT) can deliver significant sustainability benefits.

The module will make significant use of the United Nations Sustainable Development Goals (sometimes called the Global Goals) as a way to structure our thinking about Business, Computing and the ways in which we can address the needs of the world and our local communities.

Outline syllabus: CSR reporting – GRI 1xx

Economic – GRI 2xx, economic performance, anti-corruption

Environmental – GRI 3xx, materials, emissions

Social – GRI 4xx, forced labour, supplier social assessment, marketing and labelling.

Green IT

IT for Sustainability

Part 3: Teaching and learning methods

Teaching and learning methods: The module will be delivered through weekly lectures in the first semester, each covering key topics towards the learning objectives. The module will use Blackboard to publish teaching materials. Independent learning time is expected to be used by students to master the concepts and for assignment preparation, both formative and summative.

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

MO1 Demonstrate a detailed knowledge and understanding of the concepts and competing definitions of a sustainable business

MO2 Evaluate companies' sustainability using the Global Reporting Initiative framework

MO3 Discuss and critically evaluate organisational case examples of the positive and negative impacts of ICT on sustainability

Hours to be allocated: 150

Contact hours:

Independent study/self-guided study = 114 hours

Face-to-face learning = 36 hours

Total = 0

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: A defended poster exploring how business and computing are contributing to the achievement of one of the Sustainable Development Goals.

Students will be offered the opportunity to practice a defended poster presentation as a formative assessment on a topic relating to Corporate Social Responsibility reporting.

The resit strategy is the same as for first sit.

Assessment tasks:

Poster (First Sit)
Description: Individual defended poster presentation (15 mins)
Weighting: 100 %
Final assessment: Yes
Group work: No
Learning outcomes tested: MO1, MO2, MO3

Poster (Resit)
Description: Individual defended poster presentation (15 mins)
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:

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

Business Computing [Sep][SW][Frenchay][4yrs] BSc (Hons) 2021-22

Business Computing {Foundation} [Feb][FT][GCET][4yrs] BSc (Hons) 2021-22

Business Computing {Foundation} [Oct][FT][GCET][4yrs] BSc (Hons) 2021-22

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

Business Computing [Frenchay] BSc (Hons) 2022-23