Module Specification

Ethical and Professional Issues in Computing and Digital Media

Version: 2023-24, v2.0, 19 Jun 2023

Contents

Part 1: Information

Module title: Ethical and Professional Issues in Computing and Digital Media

Module code: UFCFB5-15-3

Level: Level 6

For implementation from: 2023-24

UWE credit rating: 15

ECTS credit rating: 7.5

Faculty: Faculty of Environment & Technology

Department: FET Dept of Computer Sci & Creative Tech

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: In addition to the learning outcomes, the educational experience may explore, develop, and practise but not formally discretely assess the following:

Working as a team member;

Presentation skills;

Problem formulation;

Self-management;

Decision-making.

Outline syllabus: Curriculum:

Role of the professional;

Role of professional bodies and codes of practice;

Business, stakeholder and philosophical ethical frameworks;

Moral and corporate responsibility;

The Information Commissioners Office;

Core contemporary issues: regulation, privacy, security, intellectual property, the public domain;

Technology innovation (including disruptive technologies) as an important component of change, sustainability and growth;

How organisations can assess the commercial viability of new technologies and research based ideas and exploit them in their plans and strategies;

Innovative organizational formations enabled by digital technologies.

Part 3: Teaching and learning methods

Teaching and learning methods: Lectures introduce the basic concepts, and students are expected to explore material in greater depth during tutorials and self-managed study.

There will be an emphasis on fostering a critical approach to the issues, and materials which are controversial and/or contradictory will occasionally be presented.

In addition, over the course of the semester students should expect to spend a considerable amount of time in independent study, including time spent in directed reading, completing practical exercises, completing self-assessment tests and assimilating material presented during contact hours.

Contact time: 36 hours

Assimilation and development of knowledge: 74 hours

Coursework preparation: 4 hours

Total study time: 150 hours.

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

MO1 Show a detailed knowledge and understanding of the major ethical theories, the key Issues raised by ICTs that give rise to ethical concerns, and critical factors relevant to professional practice in the 21st century.

MO2 Demonstrate the ability to recognise the dilemmas inherent in professional practice, form balanced judgements on them, and recommend actions in conformance with good practice and within the appropriate legal requirements

MO3 Demonstrate key skills in the communication and dissemination of contestable ethical positions and awareness of professional literature,

MO4 Show knowledge and understanding of technology innovation and the strategies and organizational formations enabled by digital technologies

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 via the following link https://uwe.rl.talis.com/modules/ufcfb5-15-3.html

Part 4: Assessment

Assessment strategy: The module is assessed by an individual report in which students are required to critically evaluate the ethical, societal and technological issues of current digital media and technical developments in computing.

Assessment tasks:

Report (First Sit)

Description: Individual report (2000 words)

Weighting: 100 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4

Report (Resit)

Description: Individual report (2000 words)

Weighting: 100 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4

Part 5: Contributes towards

This module contributes towards the following programmes of study:

Information Technology {Top-Up} [INTUNI] BSc (Hons) 2023-24

Information Technology {Top-Up} [SHAPE] BSc (Hons) 2023-24

Information Technology {Top-Up} [Phenikaa] BSc (Hons) 2023-24

Information Technology {Top-Up} [Gloscoll] BSc (Hons) 2023-24

Business Computing [Sep][FT][Frenchay][3yrs] BSc (Hons) 2021-22

Computer Science [Sep][FT][Villa][3yrs] - Not Running BSc (Hons) 2021-22

Computer Science [May][FT][Villa][3yrs] - Not Running BSc (Hons) 2021-22

Computer Science [Jan][FT][Villa][3yrs] - Not Running BSc (Hons) 2021-22

Software Engineering for Business [Sep][FT][Frenchay][3yrs] BSc (Hons) 2021-22

Digital and Technology Solutions (Business Analyst) {Apprenticeship-UCW} [Sep][FT][UCW][4yrs] BSc (Hons) 2021-22

Information Technology Management for Business [Sep][FT][Frenchay][3yrs] BSc (Hons) 2021-22

Computing {Dual} [Aug][FT][Taylors][3yrs] - Not Running BSc (Hons) 2021-22

Computing {Dual} [Mar][FT][Taylors][3yrs] - Not Running BSc (Hons) 2021-22

Computing [Sep][FT][Frenchay][3yrs] - Not Running BSc (Hons) 2021-22

Software Engineering for Business [Sep][SW][Frenchay][4yrs] BSc (Hons) 2020-21

Software Engineering for Business {Foundation} [Sep][FT][Frenchay][4yrs] BSc (Hons) 2020-21

Computing [Sep][SW][Frenchay][4yrs] BSc (Hons) 2020-21

Computing {Dual} [Aug][SW][Taylors][4yrs] BSc (Hons) 2020-21

Computing {Dual} [Mar][SW][Taylors][4yrs] BSc (Hons) 2020-21

Computing {Foundation} [Sep][FT][Frenchay][4yrs] - Not Running BSc (Hons) 2020-21

Business Computing [Sep][SW][Frenchay][4yrs] BSc (Hons) 2020-21

Business Computing {Foundation} [Feb][FT][GCET][4yrs] BSc (Hons) 2020-21

Business Computing {Foundation} [Oct][FT][GCET][4yrs] BSc (Hons) 2020-21

Computer Science {Foundation} [Sep][FT][Frenchay][4yrs] - Not Running BSc (Hons) 2020-21

Computer Science [Sep][SW][Frenchay][4yrs] - Not Running BSc (Hons) 2020-21

Business Computing {Foundation} [Sep][FT][Frenchay][4yrs] BSc (Hons) 2020-21

Information Technology Management for Business [Sep][SW][Frenchay][4yrs] BSc (Hons) 2020-21

Software Engineering for Business {Foundation} [Sep][SW][Frenchay][5yrs] BSc (Hons) 2019-20

Computing {Foundation} [Sep][SW][Frenchay][5yrs] BSc (Hons) 2019-20

Business Computing {Foundation} [Sep][SW][Frenchay][5yrs] BSc (Hons) 2019-20

Computer Science {Foundation} [Sep][SW][Frenchay][5yrs] BSc (Hons) 2019-20

Information Technology {Top-Up} [Frenchay] BSc (Hons) 2023-24

Information Technology {Top-Up} [INTUNI] BSc (Hons) 2023-24

Information Technology {Top-Up} [Frenchay] BSc (Hons) 2022-23

Information Technology {Top-Up} [INTUNI] BSc (Hons) 2022-23

Software Engineering [Sep][FT][Frenchay][3yrs] - Not Running BSc (Hons) 2021-22

Cyber Security and Digital Forensics [Sep][FT][Frenchay][3yrs] BSc (Hons) 2021-22

Cyber Security and Digital Forensics [Jan][FT][NepalBrit][3yrs] BSc (Hons) 2021-22

Software Engineering [Jan][FT][Northshore][3yrs] - Not Running BSc (Hons) 2021-22

Forensic Computing and Security {Dual} [Mar][FT][Taylors][3yrs] - Not Running BSc (Hons) 2021-22

Forensic Computing and Security {Dual} [Aug][FT][Taylors][3yrs] - Not Running BSc (Hons) 2021-22

Information Technology {Dual}[Mar][FT][Taylors][3yrs] BSc (Hons) 2021-22

Forensic Computing and Security {Foundation} [Sep][FT][Frenchay][4yrs] - Not Running BSc (Hons) 2020-21

Cyber Security and Digital Forensics {Foundation} [Sep][FT][Frenchay][4yrs] BSc (Hons) 2020-21