MODULE SPECIFICATION

Part 1: Information			
Module Title	Emerging Technologies		
Module Code	UFCFET-15-3	Level	Level 6
For implementation from	2022-23		
UWE Credit Rating	15	ECTS Credit Rating	7.5
Faculty	Faculty of Environment & Technology	Field	Computer Science and Creative Technologies
Department	FET Dept of Computer Sci & Creative Tech		
Module type:	Standard		
Pre-requisites	None		
Excluded Combinations	None		
Co- requisites	None		
Module Entry requirements	None		

Part 2: Description

Overview: This research-led module is designed to raise awareness of current and upcoming Emerging Technologies, and review their advancements, technicalities and future impact on humanity. As well as researching the technical capabilities and future possibilities, you are also required to review the potential adverse impact and challenges faced with the deployment and adoption of emerging technologies.

Educational Aims: To investigate, evaluate and analyse currently emerging computing technologies and concepts.

Outline Syllabus: Current emerging computing technologies and concepts.

For each topic, key areas for discussion and review are:

Current and future developments

Ethical, legal and moral issues involved

Commercial considerations

The industry requirement and the sector/s in which it could be applied

Limiting factors

Teaching and Learning Methods: Throughout the module, a combination of lectures, group work, and research based tasks will be used to cover the theoretical underpinning of the module. Opportunities for guest lectures and/or visits will be explored to enhance the module, exploring new and upcoming technologies.

Part 3: Assessment

This module is assessed by a combination of techniques: a report, and an exam.

The report allows students to research and critically analyse the ethical, moral, social, and legal issues of emerging technologies.

The final exam is used to assess students' knowledge and understanding of new and developing technologies and their application within industry.

Tutor-lead formative feedback will be available throughout the module.

First Sit Components	**Final Assessment**	**Element weighting**	**Description**
Examination - Component A	✓	30 %	Examination (2 hours)
Report - Component B		70 %	Report (2000 words)
Resit Components	**Final Assessment**	**Element weighting**	**Description**
Examination - Component A	✓	30 %	Examination (2 hours)
Report - Component B		70 %	Report (2000 words)

Part 4: Teaching and Learning Methods

Learning Outcomes

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

Module Learning Outcomes	Reference
Discuss and evaluate new and developing technologies and their application within industry	MO1
Identify and critically evaluate the ethical, legal and moral issues associated with these technologies	MO2
Critically evaluate the social implications that may result as new technologies emerge.	MO3

Contact Hours

Independent Study Hours:	
Independent study/self-guided study	96
Total Independent Study Hours:	96
Scheduled Learning and Teaching Hours:	
Face-to-face learning	54
Total Scheduled Learning and Teaching Hours:	54
Hours to be allocated	150
Allocated Hours	150

Reading List

The reading list for this module can be accessed via the following link:

https://rl.talis.com/3/uwe/lists/1605CD68-41A1-2E9E-3B76-74BBAB62A393.html

Part 5: Contributes Towards

This module contributes towards the following programmes of study:

Applied Computing[Sep][FT][UCW][3yrs] BSc (Hons) 2020-21