UNIVERSITY of BRADFORD

Module Details	
Module Title	Responsible AI: Ethics, Law and Governance
Module Code	OIM7510-B
Academic Year	2023/4
Credits	20
School	School of Management
FHEQ Level	FHEQ Level 7

Contact Hours	
Type	Hours
Independent Study	164
Lectures	12
Tutorials	24

Availability	
Occurrence	Location / Period
BDA	University of Bradford / Semester 1

Module Aims

The module aims to explore and judge the nature and scope of AI interventions, the legal, social, moral and ethical implications of these technologies and their impact on societies and government institutions.

With the ever increasing adoption of AI systems for decision making, customer service, modelling and many other applications, the impact these systems have on our everyday lives must be examined and critically assessed in terms of their fairness, their compliance with legal frameworks and how they affect the diverse populations around the world.

The module will provide a grounding in the fundamentals of cybersecurity and artificial intelligence, as well as in the strategic implementation of AI-enabled security methods.

Outline Syllabus
Topics covered in a typical semester include: An introduction to AI Technology Digitisation and General Purpose Technologies Data, Big Data and Data Science, Behavioural Economics and Bias Machine Learning and Deep Learning; the Trolley Problem Big Tech, Leadership and Corporate Culture Data Weaponisation The AI Profession The Legal Perspective Future Scenarios for AI

Learning Outcomes	
Outcome Number	Description
1	Critically evaluate between the opportunities and potential harms that AI can create.
2	Hypothesise the impact of digitisation in the context of the economics of information.
3	Synthesise the ethical, legal and governance implications of AI applications in scenarios.

Learning, Teaching and Assessment Strategy

Learning will be directed, supported, and reinforced through a combination of lectures and tutorials, formative feedback using weekly online tests, films, documentaries and discussion groups, as well as through directed and self-directed study. The classes will engage students in active learning sessions which draw on the knowledge acquired throughout the sessions as well as based on individual study to further deepen understanding of the topics.

These activities will be based on films/documentaries (Blade Runner, The Great Hack, The Social Dilemma, Coded Bias), case studies (Enron, Cambridge Analytica, AlphaGo), or group problem solving exercises. Formative feedback will be provided on ethical scenarios (The Milgram Experiment, The Stanford Prison Experiment, Five Steps to Tyranny, the Moral Machine simulation for automated vehicles) that aim to expose students to real-world situations illustrating legal, social, moral and ethical dilemmas and allow them to explore how what they have learned applies to such situations (e.g. A/B testing, differential privacy). This is a good opportunity to allow the application of theoretical concepts to be demonstrated, bridging the gap between theory and practice and their implications that inform ethical leadership.

Students will be assessed through an online examination (which contributes with 100% towards the module grade) that builds upon the material on which students would have received formative feedback. This exam will evidence understanding of the specific areas of study and the implications of regulated and unregulated use of AI in the society.

Mode of Assessment

Type	Method	Description	Weighting
Summative	Online MCQ Examination	nCritically explore AI opportunities and potential harms. Exam 2 hours	100%

Reading List

To access the reading list for this module, please visit https://bradford.rl.talis.com/index.html

Please note:
This module descriptor has been published in advance of the academic year to which it applies. Every effort has been made to ensure that the information is accurate at the time of publication, but minor changes may occur given the interval between publishing and commencement of teaching. Upon commencement of the module, students will receive a handbook with further detail about the module and any changes will be discussed and/or communicated at this point.