

Module Details	
Module Title	Digital Health and Informatics (DL)
Module Code	OIM7039-A
Academic Year	2024/5
Credits	10
School	School of Management
FHEQ Level	FHEQ Level 7

Contact Hours	
Type	Hours
Interactive Learning Objects	30
Online Lecture (Synchronous)	14
Directed Study	56

Availability	
Occurrence	Location / Period
DLA	University of Bradford / Non Standard Year

Module Aims
The module aims to equip students with a comprehensive understanding of digital health and informatics. Participants will explore eHealth, health informatics, patient-centric systems, research, privacy challenges, and transformative technologies such as electronic health records and cybermedicine.

Outline Syllabus

eHealth Fundamentals

- * Understanding the significance of eHealth and its impact on healthcare delivery.
- * Exploring digital health technologies and their role in transforming patient care.

Health Informatics

- * Delving into the intersection of healthcare and information technology.
- * Analysing data management, interoperability, and health information systems.

Learning Health Systems

- * Investigating adaptive healthcare systems that continuously learn and improve.
- * Case studies on successful implementation and challenges.

Patient eHealth

- * Empowering patients through digital tools and platforms.
- * Examining patient engagement, telemedicine, and personalized health apps.

Research and Evaluation in eHealth

- * Methods for assessing the effectiveness of eHealth interventions.
- * Evidence-based decision-making in digital health.

Challenges in eHealth

- * Privacy, security, and data governance in the digital health landscape.
- * Legal and ethical considerations.

E-mental Health

- * Mental health support through digital channels.
- * Strategies for promoting well-being and addressing mental health challenges.

Electronic Health Records and Patient Access Portals

- * Understanding EHR systems and their impact on healthcare workflows.
- * Patient-centric access to health information.

Cybermedicine

- * Navigating the convergence of medicine and technology.
- * Cybersecurity measures and risks in healthcare.

Learning Outcomes

Outcome Number	Description
01	Critically analyse the potential for eHealth to transform healthcare.
02	Design a robust set evaluations of eHealth solutions based on the theory covered.
03	Demonstrate understanding of how to improve healthcare through eHealth solutions.

Learning, Teaching and Assessment Strategy

Directed study by use of Study Books, pre-recorded lectures, talks and videos. Interaction through on-line discussion board, on-line multiple-choices questions and quizzes. The students also will be directed to further on-line activities and resources from the VLE. On-line interactive tutorials will be provided as a synchronous learning activity with the module leader or tutor.

To gain a firm understanding of the subject area and the key issues (as outlined in the syllabus) students will be required to access and engage with a variety of online resources (selected readings, video and audio resources) a designated set text and a module study book that sets out guided reading, self-assessment exercises, case studies and links to additional resources. This relates to module learning outcome 1 & 2. In addition students attend a series of tutorial sessions. These sessions allow the students to reflect on their learning further applying key academic and practitioner based models and frameworks thereby gaining a detailed understanding. This relates to module learning outcome 3.

Students have the opportunity to complete a series of formative exercises for each module unit studied, for example such as an online MCQ with instant feedback or a short-form essay answering a question(s) on a key issue/theory relating to the module. Written feedback is provided by the module tutor.

The individual summative assignment is designed to test students' this relates to module learning outcomes 1-3. The assignment allows students to gain an understanding of the subject and explores a number of areas within the module by applying their learning to a real organisation.

Mode of Assessment

Type	Method	Description	Weighting
Summative	Coursework - Written	Individual written assignment (2000 words)	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.