

WM9M7-15 Foundations of Digital Healthcare

24/25

Department

WMG

Level

Taught Postgraduate Level

Module leader

Mohannad Alajlani

Credit value

15

Module duration

4 weeks

Assessment

100% coursework

Study location

University of Warwick main campus, Coventry

Description

Introductory description

This is an optional bridging module to address the knowledge gap of applicants from a healthcare background without digital expertise.

To be able to identify problems and develop digital healthcare solutions, there must be comprehensive understanding of the national and international health and social care system structures including the organisational, economic, political and current challenges across the wider health and wellbeing field. Digital healthcare professionals must understand the current and future digital health technology, how information flows through the health systems and among various stakeholders and how they all interact.

Module aims

To develop knowledge and skills around the development of digital healthcare solutions and achieve deeper understanding of the benefits and risks of implementing these solutions.

Outline syllabus

This is an indicative module outline only to give an indication of the sort of topics that may be covered. Actual sessions held may differ.

- Basic principals of digital healthcare and what it encompasses both nationally and internationally.
- The use of technology in healthcare.
- The stakeholders involved in providing care to patients
- The role of data and how it helps to increase the quality of care provided to patients
- Data privacy and security and risk implications in healthcare

Learning outcomes

By the end of the module, students should be able to:

- Develop critical understanding of the digital health technology and its role in supporting national and international healthcare systems.
- Appraise the benefits and challenges of implementing digital technology in healthcare
- Critically appraise the role and movement of data and information in healthcare
- Examine data privacy and ethical issues raised by the adoption of digital technology in healthcare.
- Evaluate the influence of care pathways, social determinants and global health care delivery models on the delivery of healthcare services

Indicative reading list

TBC

Subject specific skills

- Definition of digital healthcare technology and all terms involved (tele*)
- Familiarity with digital healthcare solutions
- Benefits and risks of using digital healthcare technology
- Data privacy, regulations and related ethical issues
- Care pathway and social factors affecting the implementation of digital healthcare solutions
- Stakeholders involved in providing care to patients

Transferable skills

- Data privacy, regulations and related ethical issues
- Stakeholders involved in providing care to patients
- Benefits and risks of using digital technology

Study

Study time

Type	Required
Seminars	30 sessions of 1 hour (20%)
Private study	60 hours (40%)
Assessment	60 hours (40%)
Total	150 hours

Private study description

Directed study based around trigger activities and consolidation to support learning

Costs

No further costs have been identified for this module.

Assessment

You must pass all assessment components to pass the module.

Assessment group A

	Weighting	Study time
Essay on a case study	100%	60 hours

Feedback on assessment

Annotated script for essay and WMG feedback sheet on Tabula

Availability

There is currently no information about the courses for which this module is core or optional.