



Module code	IHI	NQF level	5
Credit value	15	Study duration	9 weeks

Introduction to Healthcare Informatics

Module description

This module introduces the foundations of health informatics, starting by considering an overview of the field of health informatics, introducing students to the fundamental knowledge of the concepts of health informatics and how technology can be used in the delivery of healthcare. The module will consider how care delivery, patients, clinicians and managers can benefit from established and developing information systems. The module closes by investigating the future of health informatics.

This module aims to:

- Introduce students to healthcare informatics and consolidates key principles of health informatics
- Explore the sources, types and processes of health information
- Explore how technology can be used to improve healthcare delivery in healthcare organisations and public health
- Consider the benefits of health informatics on the patient, clinicians and management

Learning outcomes

On completion of this module, students will be able to:

- demonstrate an understanding of the fundamentals of informatics in healthcare
- analyse the benefits and challenges associated with the use of informatics in healthcare, using examples
- discuss the variety of different uses for health informatics and how these can be used to meet the needs of healthcare managers, clinicians and patients

Syllabus

- Introduction to health informatics
- Understanding key theories, concepts and principles of health informatics
- Healthcare information systems, their application and uses systems
- Evidence based practice
- Health records and application for managing patients
- Healthcare data quality
- Telehealth
- Patient safety and quality initiatives
- The future for health informatics

Learning and teaching methods

The learning and teaching methods for the module follow the online delivery strategy for the programme as a whole. The module will be delivered by reading materials available on the learning platform supported by pre-recorded lecturecasts, synchronous question and answer (Q&A) sessions, directed independent study, formative and summative activities and assessments. Across the programme students will undertake a variety of assessment which are aimed to evidence their learning against the learning outcomes and develop a broad range of skills. Students will be encouraged to identify and share relevant resources and are expected to extend and enhance the knowledge and understanding they acquire by regularly consulting on-line library materials relating to the course. Tutor support will be available to students via online office hours, prearranged telephone and/or Skype calls and email communication.

Description of unit of assessment	Length/Duration	Submission date	Weighting
Assessment 1 - e.g. discussion forum	2 weeks	Unit 5	40%
Assessment 2 - e.g. literature review, essay, case study	2,000 words	Unit 9	60%