

Medical Sciences Divisional Board

Approved on behalf of Education Committee 13th May 2024

MSc Applied Digital Health

Brief note about nature of change: Introduction of new module and removal of existing core module, removal of one clause

Location of change

In *Examination Regulations 2024*: [2023-24, Master of Science by Coursework in Applied Digital Health \(ox.ac.uk\)](#)

Effective date

For students starting from MT 2024

And

For first examination from 2024-25

Detail of change

1. Remove the following clause:
4. ~~The Module 8 assessment unit consists of two assessment items: a written submission and a recorded presentation. Candidates must submit both assessment items; if a candidate does not submit both Module 8 assessment items then the whole Module 8 assessment unit will be deemed a non-submission. The mark for the Module 8 assessment unit will be the weighted average of the two assessment items, as detailed in the Examination Conventions.~~
2. Amend schedule of modules (new text underlined, deleted text struck through):

Schedule of Modules

1. Foundations of Digital Health
2. ~~Real World Data for Disease Surveillance and Quality Improvement~~ Harnessing Big Data for Clinical Decision Support

3. ~~Harnessing Big Data for Clinical Decision Support~~ AI for efficient healthcare systems
4. Remote Monitoring and Digital Diagnostics
5. Supporting Health Behaviour Change Using Digital Tools
6. Digital Transformation of Primary Care
7. Economics of Digital Health
8. User Focused Design and the Lifecycle of Digital Health Innovation

Explanatory Notes

AI is developing at an incredible pace – as the proliferation of Large Language Models (LLMs) in the public domain exemplifies – and with that comes a plethora of potential healthcare applications. Given the growth of this field in the two years since the MSc in Applied Digital Health was first launched, and despite the fact that technologies based on AI are already incorporated into different modules, it has been decided to add a new module fully devoted to AI in healthcare.

A new module entitled “AI for Efficient Healthcare Systems” will be introduced. The module will provide an accessible introduction the deep-learning methodologies underlying such tools, as well their capabilities and constraints in different clinical scenarios. Delving into the inner workings of such tools will provide a grounding in deep-learning more generally, thereby deepening understanding of the other digital health technologies in the course that rely on deep-learning.

In order to create a window for the new module, the module entitled “Real World Data for Disease Surveillance and Quality Improvement” will be removed. However, some aspects of the module will be retained (in other modules).

The above changes also include the removal of one clause, as the detail is repeated elsewhere in the regulations.