

Medical Ethics and Regulations

Module Code:	MHT6005-A
Academic Year:	2018-19
Credit Rating:	10
School:	Department of Biomedical and Electronics Engineering
Subject Area:	Medical and Healthcare Technology
FHEQ Level:	FHEQ Level 6
Module Leader:	Dr Peter Twigg

Additional Tutors:

Pre-requisites:

Co-requisites:

Contact Hours

Type	Hours
Lectures	18
Tutorials	6
Directed Study	74
Examinations DO NOT USE	2

Availability Periods

Occurrence	Location/Period
BDA	University of Bradford / Semester 1 (Sep - Jan)

Module Aims

Critical review of medical ethics and regulations within medical engineering.

Outline Syllabus

The value of life; respect for persons; moral duties within a medical environment; the moral significance of age. Telling the truth; responsibility to communicate; confidentiality & the Data Protection Act, consent and informed consent. Public accountability; medical negligence and litigation; compensation; transplantation of organs and tissues.

Experimentation; commercial exploitation. Allocation of scarce resources; efficacy of interventions. Assessment of project risk; ethics committees; payment/inducements. Classification of medical devices. Legal requirements for design and manufacture. MDD regulations; international standards; routes to conformity. Risk assessment; legislation, patents and clinical trials.

Module Learning Outcomes

On successful completion of this module, students will be able to...

- 1 Critically review and consolidate medical ethics and regulations, and their importance and application in a wide range of medical engineering and technology applications
- 2 Apply medical ethics and regulations to critically evaluate professional scenarios and the development of medical devices.
- 3 Systematically solve problems

Learning, Teaching and Assessment Strategy

Knowledge disseminated and concepts explored in lectures, with learning supported by tutorial problems and tutor-lead classroom discussion. Formative assessment and oral feedback given in tutorials. The formal examination will assess all of the learning outcomes expressed in the descriptor.

Mode of Assessment

Type	Method	Description	Length	Weighting	Final Assess'
Summative	Examination - closed book	Exam	2 hours	100%	Yes

Legacy Code (if applicable)

ENG3077M

Reading List

To view Reading List, please go to [rebus:list](#).