Objective of the Course

In this post-master course current debates in medical ethics will be discussed to create a reflective attitude in participants towards ethical dilemmas in everyday clinical practice.

SMPE/e at Eindhoven University of Technology (TU/e) provides post-master education for technology professionals in healthcare.

2 hospital-based university-managed PDEng (designers) programs that lead to
- Qualified Medical Engineer (QME)
- Clinical Informatics (CI)

5 post-master courses
- Introduction in Clinical Informatics
- Management & Organization in Health Care
- Medical Ethics
- Physics and Physiology behind Medical Technology
- Safety & Risk Analysis
BRIEF DESCRIPTION OF THE COURSE
This course will give an introduction on Medical Ethics, on the Ethics of technology professionals working in healthcare, Bio-ethics and Healthcare rationing. New technologies will be discussed and the new questions they will arise regarding quality of life and life extension.

ACQUIRED EXPERTISE
The participants will be able to understand what medical ethics are and how to relate medical ethics to their daily activities. The participant will understand the ethical consequences of his/her professional behavior and that of other medical professionals. The participant can make an effort in the formation of the public and professional responsibility of technology professionals working in healthcare and will learn how to apply insights from the course to a concrete medical technology subject.

PRELIMINARY COURSE SCHEDULE

Day 1
• Introduction on ethical argumentation, ethical theories, medical ethics, and bioethics
• Ethical dilemmas of a medical specialist and a hospital
• MREC

Day 2
• 'The good life?' Medical decisions at the beginning and end of life
• The impact of AI on healthcare and medical ethics
• Case studies
• Engineering ethics

Day 3
• Engineering ethics
• Bio-ethics, innovation and the concept of human essence and dignity
• Robots-care or scare?
• Ethics and practice of healthcare rationing

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