

Biomedical research and industry seminars

Lecturer

Olivier DEBEIR (Coordinator)

Course mnemonic

PROJ-H500

ECTS credits

5 credits

Language(s) of instruction

English

Course period

Academic year

Campus

Solbosch

Course content

The course consists of a series of lectures given by invited speakers, coming from various domains of the medical engineering field (industry, hospitals, other faculties and universities...) and covering a wide range of topics such as biomedical ethics, intellectual property and innovation, etc.

Objectives (and/or specific learning outcomes)

The aim is to give the students a wide overview of the ongoing events and the state-of-the-art technology in the medical engineering field.

- > To be able to present a critical view on a subject related to biomedical ethics.
- > To better understand the biomedical industrial and clinical environment.

Teaching method and learning activities

The seminars are organized in collaboration with the biomedical track of UCLouvain and ULg, in practice three days of seminars are organized respectively one on each campus.

Contribution to the teaching profile

This teaching unit contributes to the following competences:

- > Traduire les contraintes du vivant dans le langage de l'ingénieur, anticiper l'impact d'un développement sur le vivant (choix des matériaux, des procédés, etc.)
- > Intégrer les aspects normatifs (certifications), éthiques et légaux liés aux dispositifs et pratiques biomédicaux, analyser les aspects liés à la sécurité (dont la radioprotection) et mettre en place les processus de qualité
- > Communiquer efficacement, tant de manière écrite qu'orale, avec des collègues ingénieurs, mais aussi avec les autres acteurs du domaine biomédical, s'intégrer dans une équipe pluridisciplinaire

Other information

Place(s) of teaching

Solbosch

Contact(s)

odebeir@ulb.ac.be

Evaluation method(s)

Other

Evaluation method(s) (additional information)

Work to present (a written report and a short oral presentation).

Determination of the mark (including the weighting of partial marks)

Written and oral presentation contribute equally to the score.

Main language(s) of evaluation

English

Programmes

Programmes proposing this course at the Brussels School of Engineering

MA-IRCB | Master of science in Biomedical Engineering | finalité Professionnel/unit 2