**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

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**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.

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**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.

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**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.

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**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

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**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

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**Programmes**

Programmes proposing this course at the Brussels School of Engineering

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