Medical Equipment (E092680)

From the academic year 2014-2015 up to and including the academic year 2015-2016

Course Specifications

Course size

<table>
<thead>
<tr>
<th>Credits</th>
<th>Study time</th>
<th>Contact hrs</th>
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<tbody>
<tr>
<td>6.0</td>
<td>180 h</td>
<td>60.0 h</td>
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</tbody>
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Course offerings and teaching methods in academic year 2015-2016

- A (semester 2) demonstration 30.0 h
- lecture 30.0 h

Lecturers in academic year 2015-2016

- De Looze, Danny GE01 lecturer-in-charge
- Eloot, Sunny GE01 co-lecturer

Offered in the following programmes in 2015-2016

<table>
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<tr>
<th>crdts</th>
<th>offering</th>
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<td>6</td>
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Teaching languages

- English

Keywords

- Technology in Medicine

Position of the course

- Interpretation in the basic sciences as used in the practice of Health Care related to the equipment.

Contents

- Analysis of Intravascular Pressure Signals
- Quality of Invasive Pressure Monitoring Systems: Catheters, Infusion Lines and Transducers
- Simulation of Vascular Flow-pressure Conditions
- Evaluation of New Methods for Hemodynamic Monitoring
- Partim Intensive Care: Specific Applications
- The Cardiovascular System: Heart and Vessel Disease, Specific Applications
- Medical Devices in Surgery
- Anatomo-pathology
- Bloodbanking
- Pneumology
- Gastroenterology and the Medical Devices
- Elements of the Anesthetic Devices
- Physiotherapy
- Ultrasound in Medicine: Ultrasound, Doppler Evaluation, Lithotripsy
- High-performance Liquid Chromatography (HPLC)

Initial competences

- Succeeded in the first year or by an interview.

Final competences

- The technique, the function and the application (the indication) of the medical devices in a hospital.

Conditions for credit contract

(Approved)
Access to this course unit via a credit contract is determined after successful competences assessment.

**Conditions for exam contract**
This course unit cannot be taken via an exam contract.

**Teaching methods**
Demonstration, lecture, practicum

**Learning materials and price**
syllabus, articles, hands-on, visits

**References**

**Course content-related study coaching**
On demand of the student.

**Evaluation methods**
end-of-term evaluation

**Examination methods in case of periodic evaluation during the first examination period**
Written examination

**Examination methods in case of periodic evaluation during the second examination period**
Written examination

**Examination methods in case of permanent evaluation**

**Possibilities of retake in case of permanent evaluation**
not applicable

**Extra information on the examination methods**
During examination period: written closed-book exam.

**Calculation of the examination mark**