| Module title | | | Abbreviation |
|---|---|---|---|
| **Materials for biosensors, tissue engineering and tissue regeneration** | | | 03-SP2A2-101-m01 |
| **Module coordinator** | | **Module offered by** | |
| holder of the Chair of Orthopaedics and holder of the Chair of Regenerative Medicine | | Faculty of Medicine | |
| **ECTS** | **Method of grading** | **Only after succ. compl. of module(s)** | |
| 5 | numerical grade | -- | |
| **Duration** | **Module level** | **Other prerequisites** | |
| 1 semester | graduate | -- | |

**Contents**

Interaction of biosystems with materials, biodegradation versus inert materials, protein adsorption on surfaces as an information broker for sensors, biological materials, structure-function interaction (nano-microstructures).

**Intended learning outcomes**

Students have developed a knowledge of the interaction of the biosystem with materials.

**Courses** (type, number of weekly contact hours, language — if other than German)

V + Ü + P (no information on SWS (weekly contact hours) and course language available)

**Method of assessment** (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)

placement report / fieldwork report / report on practical training / report on practical course / project report / report on technical course (approx. 10 pages) and a) written examination (approx. 90 minutes) or b) presentation (approx. 30 minutes)

**Allocation of places**

--

**Additional information**

--

**Workload**

--

**Teaching cycle**

--

**Referred to in LPO I** (examination regulations for teaching-degree programmes)

--

**Module appears in**

Master's degree (1 major) Technology of Functional Materials (2010)
Master's degree (1 major) Functional Materials (2012)