### Module title
Materials for biosensors, tissue engineering and tissue regeneration

### Abbreviation
03-SP2A2-101-m01

### Module coordinator
holder of the Chair of Orthopaedics and holder of the Chair of Regenerative Medicine

### Module offered by
Faculty of Medicine

### ECTS
5

### Method of grading
numerical grade

### Only after succ. compl. of module(s)

### Duration
1 semester

### Module level
graduate

### Other prerequisites

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

### Method of assessment
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

### 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)