## Module title

**Fundamentals of Physiology and Application of Surgical Implants by Loss of Function**

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<th>Abbreviation</th>
<th>03-FU-IMP-161-m01</th>
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## Module coordinator

- **holder of the Chair of Functional Materials in Medicine and Dentistry**
- **Faculty of Medicine**

## ECTS

- **5**

## Method of grading

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

## Duration

- 1 semester

## Module level

- Graduate

## Other prerequisites

- --

## Contents

Anatomy and physiology of the cardiovascular system, ear and eye, skeletal system, of the jaw including tooth structure and pathological processes that lead to functional impairment or loss of function. Materials and use of medical implants in the respective tissue.

## Intended learning outcomes

The students receive advanced knowledge in human physiology. In addition, knowledge about pathological processes that can lead to the use of medical materials and implants will be taught.

## Courses

- **V (3) + P (1)**

## Method of assessment

- **a) report on practical course (approx. 10 pages) and b) presentation (approx. 30 minutes) or written examination (approx. 90 minutes); weighted 1:1**
- **Language of assessment: German and/or English**

## Allocation of places

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## Additional information

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## Referred to in LPO I

- (examination regulations for teaching-degree programmes)

## Module appears in

- Master's degree (1 major) Functional Materials (2016)