### Module title
Cell biology

### Abbreviation
03-ZBP-132-m01

### Module coordinator
holder of the Chair of Medical Radiation and Cell Research

### Module offered by
Faculty of Medicine

### ECTS
5

### Method of grading
numerical grade

### Only after succ. compl. of module(s)
o8-BC (module component o8-BC-1 only)

### Duration
1 semester

### Module level
undergraduate

### Other prerequisites
--

### Contents
Becoming familiar with basic cell biological principles via hands-on training and seminars. Major topics are the structural organisation of eukaryotic cells, cell-cell and cell-matrix interactions, proliferation, differentiation and apoptosis.

### Intended learning outcomes
Problem-oriented handling of eukaryotic cells under sterile conditions and understanding of principles of techniques for the analysis of cells. Understanding the molecular basis of cell biology and cellular malfunctions and their significance for disease development. Independent extraction of relevant information and presentation of selected examples of current literature.

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

### Method of assessment
written examination (approx. 60 minutes)
Language of assessment: German or English

### Allocation of places
Biochemie (Biochemistry) Bachelor’s: 12 places. Selection process Biochemie (Biochemistry) Bachelor’s: Should the number of applications exceed the number of available places, places will be allocated according to the following quotas: Quota 1 (two thirds of places): current average grade of successfully completed modules; among applicants with the same average grade, places will be allocated by lot. Quota 2 (one third of places) number of subject semesters of the respective applicant; among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated as they become available.

### Additional information
--

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

### Module appears in
Bachelor’ degree (1 major) Biochemistry (2013)