Module title			Abbreviation
Basic principles of cell biology and tissue regeneration			03-SP1A1-101-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

Cell biology, metabolism, differentiation, cell behaviour, cell/cell interactions, cell adhesion, 2D/3D and surface geometry, mechanobiology (bioreactors with mechanics).

Intended learning outcomes

Students have developed a knowledge of cell biology, metabolism, differentiation, adhesion to surfaces, mechanobiology.

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

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Additional information

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Workload

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Teaching cycle

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

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Module appears in

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