**Module title**
Basic principles of cell biology and tissue regeneration

**Abbreviation**
03-SP\textsubscript{1}A1-092-m01

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

**Module offered by**
Faculty of Medicine

<table>
<thead>
<tr>
<th>ECTS</th>
<th>Method of grading</th>
<th>Only after succ. compl. of module(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>numerical grade</td>
<td>--</td>
</tr>
</tbody>
</table>

**Duration**
1 semester

**Module level**
graduate

**Other prerequisites**
--

**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**

<table>
<thead>
<tr>
<th>Type</th>
<th>Number of weekly contact hours</th>
<th>Language</th>
</tr>
</thead>
<tbody>
<tr>
<td>V + Ü</td>
<td>(no information on SWS)</td>
<td></td>
</tr>
</tbody>
</table>

**Method of assessment**
written examination

**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 (2009)