Master degree programme **Sport Sciences** 2022-2023

<table>
<thead>
<tr>
<th>Core - 80 ECTS</th>
<th>Extension - 40 ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Master Monitor</strong></td>
<td></td>
</tr>
<tr>
<td>Specialization courses</td>
<td><strong>Internal profile course units ≤ 30 ECTS</strong> (Within the dept. of Human Movement Sciences)</td>
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<tr>
<td>Compulsory course units</td>
<td><strong>External profile course units ≤ 20 ECTS</strong> (Outside the dept. of Human Movement Sciences, e.g. at another faculty of the UG or at another university)</td>
</tr>
<tr>
<td>Review article</td>
<td>Academic assignments</td>
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<tr>
<td>Graduation project</td>
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</table>

5 ECTS

Core (left panel): elements in recommended order. Graduation project starts in the 2nd year, entry condition is 40 ECTS from the 1st year (including review and specialization course 1 + 2).

Extension (right panel): Possibilities to fill the extension space.
### 1st year (60 ECTS)

<table>
<thead>
<tr>
<th>Block 1</th>
<th>Block 2</th>
<th>Block 3</th>
<th>Block 4</th>
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</thead>
</table>
| **Specialization course I**  
Development, perception and action in sports and exercise  
BWM173 | **Specialization course II**  
Talent and performance optimization  
BWM174 | **Core**  
Review article 10 ECTS  
BWM172 | **Core compulsory course**  
3D-Movement Analysis  
BWM176 |
| **Core compulsory course**  
3D-Movement Analysis  
BWM176 | **Core compulsory course**  
Advanced statistics  
BWM136 | **Extension 10 ECTS** | **Core compulsory course**  
Philosophy of science and ethics |
| **Extension 5 ECTS**  
Internal courses  
> Motor control  
BWM137  
> Course unit part 1 from a specialization within HMS  
BWM150/BWM160  
> Introduction to teaching (mentor system)  
BWM440 | **Extension 5 ECTS**  
Internal course  
> Physiology of training and exercise  
BWM134  
> Clinical mobility lab  
BWM148 | **Internal courses**  
> Sport and talent  
BWM139  
> Introduction to dynamical systems  
BWM142  
> Perception and action  
BWM135  
> Musculoskeletal modelling and biomechanics  
BWM177 | **Extension 5 ECTS**  
Internal course  
> Signal acquisition and analysis  
BWM145  
> Big data in Sport Science and HMS  
BWM146|
| **External course**  
Academic assignment | **External course**  
Academic assignment | **External course**  
Academic assignment | **Internal course**  
Academic assignment |

**Start Master Monitor BWMMO...**

### 2nd year (60 ECTS)

**Core:** Master Graduation Project (40 ECTS) and Master Monitor BWMMO (5 ECTS)

**Extension:** Academic assignments and/or Internal/External course units (15ECTS)

...finalize Master Monitor BWMMO

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1 Choosing an extra specialization course unit is only possible during the first block.
2 Introduction to teaching /mentor system (5 ECTS) runs over all four blocks.
3 Master Monitor (5 ECTS) runs over the two master years. 4 Entry condition is 40 ECTS from the 1st year (including review and Specialization part 1 + 2).

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