<table>
<thead>
<tr>
<th>Department</th>
<th>09 Engineering and Management</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course title</td>
<td>Machine Components I</td>
</tr>
<tr>
<td>Hours per week (SWS)</td>
<td>4</td>
</tr>
<tr>
<td>Number of ECTS credits</td>
<td>5</td>
</tr>
<tr>
<td>Course objective</td>
<td>Knowing of standard machine components, incl. simple calculations (e.g. axles &amp; shafts; pin connections; bolts &amp; screws; welded connections; soldered and adhesive connections; shaft-to-hub-connections)</td>
</tr>
<tr>
<td>Prerequisites</td>
<td>Basic knowledge abd fundamentals in Mathematics, Physics, Materials; more detailed comprehension in Engineering Mechanics</td>
</tr>
<tr>
<td>Recommended reading</td>
<td>lecture notes; different standard technical books with reference to Machine Components</td>
</tr>
<tr>
<td>Teaching methods</td>
<td>lecture and exercises</td>
</tr>
<tr>
<td>Assessment methods</td>
<td>written exam (90 min.)</td>
</tr>
<tr>
<td>Language of instruction</td>
<td>English</td>
</tr>
<tr>
<td>Name of lecturer</td>
<td>Prof. Dr. Eckhard Hoffmann</td>
</tr>
<tr>
<td>Email</td>
<td><a href="mailto:eckhard.hoffmann@hm.edu">eckhard.hoffmann@hm.edu</a></td>
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<tr>
<td>Course content</td>
<td>see course objective</td>
</tr>
<tr>
<td>Remarks</td>
<td>more detailed information see syllabus</td>
</tr>
</tbody>
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