

<b>Module description: Machine Elements 2</b>						
<b>Module Code</b>	t.BA.MT.ME2.19HS					
<b>ECTS Credits</b>	2					
<b>Language of Instruction/Examination</b>	German					
<b>Organizational Unit</b>	IPP					
<b>Module Coordinator</b>	Adrian Fassbind					
<b>Legal Framework</b>	The module description is part of the legal basis in addition to the general academic regulations. It is binding. During the first week of the semester a written and communicated supplement can specify the module description in more detail.					
<b>Module Characteristic</b>	Type 1a  2 lecture lessons per semester week and class					
<b>Module Description</b>	Students learn the fundamentals of machine elements in mechanical engineering.					
<b>Module Content</b>	<ul style="list-style-type: none"> <li>In "Machine Elements 2", the students acquire knowledge about the basics, the application, as well as the interpretation of tension drive mechanisms, sealing as well as springs.</li> </ul>					
<b>Prerequisite Knowledge</b>						
<b>Learning Objectives (Competences)</b>	<b>Students...</b>		<b>Competencies</b>	<b>Taxonomies</b>		
	Know the basics of machine elements Tension drives, seals and springs Can list these		F	K1		
	Can describe the properties of the machine elements covered		F	K2		
	Know and understand the most important design rules of the machine elements covered and can present them		F	K1, K2		
	Are able to apply and explain the design rules in case studies		F	K3		
	Understand the calculation and design methods of the machine elements covered		F	K2		
	Can apply the calculation and design methods in case studies and carry out written calculations		F	K3		
<b>Performance Assessment</b>	<b>End-of-module exam</b>	<b>Assessment</b>	<b>Length (min.)</b>	<b>Weighting</b>	<b>Form</b>	
	written exam	Grade	90	80	acc. to module agreement	
	<b>Performance assessment during the semester</b>		<b>Assessment</b>	<b>Length (min.)</b>	<b>Weighting</b>	<b>Form</b>
	Shorttests		Grade	5	5	acc. to module agreement
	written exam		Grade	90	15	acc. to module agreement
	<b>Classroom Attendance Requirement</b>					
None						

## Module description: Machine Elements 2

<b>Learning material</b>	<ul style="list-style-type: none"><li>• Lecture notes as well as exercises and required supplier documents on moodle</li><li>• Wittel &amp; Spura &amp; Janasch Roloff/Matek Maschinenelemente. Springer. ISBN 978-3-658-34159-6.</li></ul>
<b>Comments</b>	