

<b>Module level</b> Master	<b>Creditpoints</b> 6	<b>Language</b> English	<b>Return</b> annual
<b>Module designation</b> <a href="#">Electrical Engineering</a>			
<b>Course(s)</b> <a href="#">Electrical Engineering</a>			
<b>Person responsible for the module</b>	Prof. Dr. rer. nat. Clemens Hoffmann		
<b>Lecturer</b>	Prof. Dr. Ingo Stadler Dr. Aleksandra Sasa Bukvic-Schäfer		
<b>Workload</b>	180h(30hcontact time, 150hprivate study)		
<b>Relation to curriculum</b>	Basic studies, compulsory optional subject		
<b>Type of teaching, contact hours</b>	Skype, virtual classrooms, digital communications		
<b>Requirements according to examination regulations</b>	None		
<b>Recommended prerequisites</b> None			
<b>Module objective / intended learning outcomes</b> At the end of the module students have basic knowledge of electrical engineering in the field of wind energy systems, with particular focus on energy-related systems, simulation, control and regulation. The students should understand the mechanisms and functions of electrical machinery and equipment and provides an overview of control and regulation procedures. The ability to analyze systems to model and simulate this module rounds off at the system level.			
<b>Content</b> <ul style="list-style-type: none"> <li>• Tracking System</li> <li>• Converter</li> <li>• Adjustment control and business management</li> <li>• Electrical net</li> </ul>			
<b>Study and examination requirements and forms of examination</b>	Written exam (120 min) or online oral examination (30 min) or written homework (25 pages) with presentation of the homework (30 min). The examinations are going to 75% (written homework) of the shares and 25% (presentation) in the final grade of the module.		
<b>Media employed</b>	online script		
<b>Reading list</b> Reading list will be provided by lecturer via Moodle online platform.			