

<b>Module level</b> Master	<b>Credit points</b> 3	<b>Language</b> English	<b>Return</b> annual
<b>Module designation</b>			
Business Administration and Management of Wind Turbines and Wind Farms			
<b>Course</b>			
Business Administration and Management of Wind Turbines and Wind Farms			
<b>Code</b>	<b>Subtitle</b>		
<b>Person responsible for the module</b>	Prof. Dr.-Ing. Detlef Kuhl		
<b>Lecturer</b>	Dipl. Volkswirt (Master of Economics) Wilfried Schäfer		
<b>Workload</b>	90 hours (5h contact study, 75h private study, 8h examination preparation, 2h examination)		
<b>Relation to curriculum</b>	Additive key skills, elective		
<b>Type of teaching, contact hours</b>	Digital communication, virtual classrooms		
<b>Requirements according to examination regulations</b>	None		
<b>Recommended prerequisites</b>			
Module Project Financing			
<b>Module objective / intended learning outcomes</b>			
<p>Students are familiar with different reporting needs and requirements of shareholders and senior debt provider. They can create own reviews/reports of a project. Students get a knowledge of contract management and insight in common main contracts in wind projects. They can create a financial planning tool and use it for plan-actual check including changes and adjusting future expectations into the planning and creating a risk model.</p> <p>They become aware of differences in the subsidy schemes in Europe (Feed-in-Tariff, Green Certificates) and how to include this in financial planning. A major point is to learn examples of business decisions in case studies (foundation, accidents, risk assessment of new upcoming problems) and to build Post Closing Actions Lists. Issues arising at the end of the lifetime of wind turbines are treated i.e. decommissioning / dismantling and repowering of turbines.</p> <p>Another goal is to get familiar with different subsidy schemes, principles of ring-fencing of project. Precondition is an analytical and structural approach to meet issues and challenges in wind project management. Main concern is to build competences: integration of knowledge, skills and social and methodological capacities in working or learning situations with relation to technical, legal and economic aspects of wind project.</p>			
<b>Content</b>			
<ul style="list-style-type: none"> <li>• Reporting <ul style="list-style-type: none"> <li>- Needs of investors for reporting on performance of a wind project</li> <li>- Differences between community based investors and financial investors</li> <li>- Structure of a reporting</li> <li>- Annual meeting of shareholders and annual reports</li> <li>- Creating a structure for an own reporting/review</li> </ul> </li> <li>• Structure <ul style="list-style-type: none"> <li>- Contract management of wind projects</li> <li>- Organigram of windprojects</li> <li>- Responsibilities of a managing director of wind project companies</li> </ul> </li> <li>• Finance</li> </ul>			

<ul style="list-style-type: none"> <li>- Liquidity planning</li> <li>- Principles of financial modeling</li> <li>- Creating a financial model for windprojects</li> <li>- Creating a risk model</li> <li>- Modify input to see impact on outcome (scenario analysis)</li> <li>• Special aspects <ul style="list-style-type: none"> <li>- Direct marketing of electricity</li> <li>- Duration of payment of high Feed-in-Tariff (Germany)</li> <li>- Dealing with accidents (Crane)</li> <li>- Dealing with special maintenance issues (Foundation repair)</li> <li>- Subsidy schemes</li> <li>- Repetitive inspections</li> <li>- Post-Closing Action Lists (PCAL)</li> <li>- Dismantling and repowering of turbines</li> </ul> </li> </ul>	
<b>Study and examination requirements and forms of examination</b>	Written exam (60 min) or written homework (15 pages) with presentation of the homework (15 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.	