

Module level Master	Credit points 3	Language English	Return annual
Module designation			
Occupational Safety On- and Offshore			
Course			
Occupational Safety On- and Offshore			
Code	Subtitle HSE Management		
Person responsible for the module	Prof. Dr.-Ing. Detlef Kuhl		
Lecturer	Gerhard Sartory		
Workload	90 hours (10 h online presentation, 20 h private study, 60 h private study, including examination preparation)		
Relation to curriculum	Additive key skills, elective		
Type of teaching, contact hours	Online-unit, telephone, Skype, virtual classrooms, online presentation, Online transmission, home study		
Requirements according to examination regulations	no examination regulations so far		
Recommended prerequisite			
Module objective / intended learning outcomes			
<ul style="list-style-type: none"> • Legislation on Occupational Health & Safety and Compliance Monitoring • Causes of Accidents and Safety-Policy Consequences • Methods for Promoting Safety, Health, and Environment • Ergonomics at the Workplace, Alcohol and Drug Consumption at the Workplace • Procedures and Work Permits • Exposure to Noise, Working on Electrical Systems and Equipment, Exposure to Radiation • Transport Routes and Ladders • Risk Assessments, HAZID and HAZOP Methods • High- and Low-lying Workplaces, confined Space • Fire Protection and Emergency Management • Emergency Response Procedures and Rescue Chain • First Aid; Paramedic • Medical Fitness Examination Certificates, • Safety Training, Survival and Rescue at Heights Training regulation and requirements • Handling of Hazardous Substances and Wastes as well as Provisions under Water Law, • Offshore Environment Protection requirements • SchuSiKo, HSE Concept development for Offshore BSH Project Certification Process 			
<p>Achieved knowledge: Students know the legal and regulatory best practice for wind energy projects and the key legal and regulatory issues that need to be taken into consideration in the development of any wind energy project.</p> <p>Achieved skills: Students are able to assess the general requirements of existing legal and regulatory framework conditions and risks that may be encountered when developing a wind energy project in their respective professional position.</p>			
Content			
<ul style="list-style-type: none"> • The importance of HSE legal and regulatory framework conditions for development and operation of wind energy projects • Key Aspects of Authorization, certification and licensing procedures • Selected Best Practices of National HSE Renewable Energy Legislation • Specific Legal Aspects of off-shore renewable energy (wind, wave and tidal energy) 			
Study and examination requirements	Questionnaire: 25 multiple choice		

and forms of examination	Time: 60min. Passed: 70% Graded essay and/or term paper, presentation of homework
Media employed	Online transmission facilities
Reading list	Reading list will be provided by lecturer via Moodle online platform.