

## Module: Environmental Assessment II

<b>Level</b>	Bachelor	<b>Short Name</b>	UWB II
<b>Responsible Lecturers</b>	Schüler		
<b>Department, Facility</b>	Applied Natural Sciences		
<b>Course of Studies</b>	Environmental Engineering and Management, Bachelor		
<b>Compulsory/elective</b>	Compulsory elective	<b>ECTS Credit Points</b>	5
<b>Semester of Studies</b>	(Unspecified)	<b>Semester Hours per Week</b>	4
<b>Length (semesters)</b>	1	<b>Workload (hours)</b>	150
<b>Frequency</b>	SuSe	<b>Presence Hours</b>	60
<b>Teaching Language</b>	German/English	<b>Self-Study Hours</b>	90

The following section is filled only if there is **exactly one** module-concluding exam.

<b>Exam Type</b>	Portfolio Exam	<b>Exam Language</b>	German
<b>Exam Length (minutes)</b>		<b>Exam Grading System</b>	One-third Grades
<b>Learning Outcomes</b>	<p>The students are able to select and apply environmental assessment methods for specific issues.</p> <p>They integrate the knowledge acquired during their studies by collecting and evaluating information in an interdisciplinary manner. In addition, they can discuss the results in the respective context (e.g. in a company).</p> <p>The students have an understanding of how products, production methods and other processes can be optimized in terms of their environmental impact and how the various challenges can be addressed</p>		
<b>Participation Prerequisites</b>	Environmental Assessment I		

The previous section is filled only if there is **exactly one** module-concluding exam.

<b>Consideration of Gender and Diversity Issues</b>	<ul style="list-style-type: none"> <li>✓ Use of gender-neutral language (THL standard)</li> <li>✓ Target group specific adjustment of didactic methods</li> <li>✓ Making subject diversity visible (female researchers, cultures etc.)</li> </ul>
<b>Applicability</b>	
<b>Remarks</b>	

## Module Course: Environmental Assessment II (Project)

(of Module: Environmental Assessment II)

<b>Course Type</b>	Project Work	<b>Form of Learning</b>	Presence
<b>Mandatory Attendance</b>	no	<b>ECTS Credit Points</b>	5
<b>Participation Limit</b>		<b>Semester Hours per Week</b>	4
<b>Group Size</b>		<b>Workload (hours)</b>	150
<b>Teaching Language</b>	German/English	<b>Presence Hours</b>	60
<b>Study Achievements ("Studienleistung", SL)</b>		<b>Self-Study Hours</b>	90
<b>SL Length (minutes)</b>		<b>SL Grading System</b>	

The following section is filled only if there is a course-specific exam.

<b>Exam Type</b>		<b>Exam Language</b>	
<b>Exam Length (minutes)</b>		<b>Exam Grading System</b>	
<b>Learning Outcomes</b>			
<b>Participation Prerequisites</b>			

The previous section is filled only if there is a course-specific exam.

<b>Contents</b>	<p>Building on knowledge from the courses they have already taken, students deepen their knowledge of environmental assessment instruments and can reflect on it critically.</p> <p>The focus is on the practical application of environmental assessment. To do this, students apply environmental assessment methods to specific fields in their own projects.</p> <p>This can include their own specific measurements and data collection as well as extensive modeling in software.</p> <p>In addition, students practice strategies for independent problem solving and active knowledge transfer through cooperative work in projects.</p>
<b>Literature</b>	<ol style="list-style-type: none"> <li>1. Kaltschmitt &amp; Schebek (Hrsg.): Umweltbewertung für Ingenieure</li> <li>1. Fallstudien (z.B. Fachartikel zu durchgeführten Umweltbewertungen wie Ökobilanzen, Footprints)</li> </ol>
<b>Remarks</b>	