

Module: Operational Environmental Management

Level	Bachelor	Short Name	BUM
Responsible Lecturers	Schüler		
Department, Facility	Applied Natural Sciences		
Course of Studies	Environmental Engineering and Management, Bachelor		
Compulsory/elective	Compulsory	ECTS Credit Points	7,5
Semester of Studies	3	Semester Hours per Week	6
Length (semesters)	2	Workload (hours)	225
Frequency	WiSe	Presence Hours	90
Teaching Language	German/English	Self-Study Hours	135

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

Exam Type	Portfolio Exam	Exam Language	German/English
Exam Length (minutes)		Exam Grading System	One-third Grades
Learning Outcomes	The project helps to sensitize students to the issues of practical corporate environmental protection and to learn about and use tools for competent corporate environmental management. In addition, students gain the communication experience and confidence in dealing with technical terminology required for practice. The foundations for an eye for environmental problems are laid.		
Participation Prerequisites			

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

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

Module Course: Operational Environmental Management (Lecture)

(of Module: Operational Environmental Management)

Course Type	Lecture	Form of Learning	Presence
Mandatory Attendance	no	ECTS Credit Points	2,5
Participation Limit		Semester Hours per Week	2
Group Size		Workload (hours)	90
Teaching Language	German	Presence Hours	30
Study Achievements ("Studienleistung", SL)		Self-Study Hours	60
SL Length (minutes)		SL Grading System	

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

Exam Type		Exam Language	
Exam Length (minutes)		Exam Grading System	
Learning Outcomes			
Participation Prerequisites			

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

Contents	<ul style="list-style-type: none"> • Sustainable development and sustainable business • Environmental aspects in production, procurement and logistics, human resources, operational processes • Corporate environmental law • Principles and elements of environmental management systems
Literature	<ol style="list-style-type: none"> 1. EMAS und DIN 14001 sowie angrenzende Standards 2. Baumast, A., & Pape, J. (2013). <i>Betriebliches Nachhaltigkeitsmanagement</i>. Verlag Eugen Ulmer.
Remarks	

Module Course: Operational Environmental Management (Seminar)

(of Module: Operational Environmental Management)

Course Type	Seminar	Form of Learning	Presence
Mandatory Attendance	no	ECTS Credit Points	2,5
Participation Limit		Semester Hours per Week	2
Group Size		Workload (hours)	60
Teaching Language	German	Presence Hours	30
Study Achievements ("Studienleistung", SL)		Self-Study Hours	30
SL Length (minutes)		SL Grading System	

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

Exam Type		Exam Language	
Exam Length (minutes)		Exam Grading System	
Learning Outcomes			
Participation Prerequisites			

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

Contents	<ul style="list-style-type: none"> • Accompanying and deepening the content of the lecture through reflection and in-depth discussion, partly through the involvement of external practice partners. • Reflection on challenges and practical problems in the projects. • Coaching for the projects through project meetings. • Discussion of the results with representatives from practice
Literature	
Remarks	

Module Course: Operational Environmental Management (Project)

(of Module: Operational Environmental Management)

Course Type	Project Work	Form of Learning	Presence
Mandatory Attendance	no	ECTS Credit Points	2,5
Participation Limit		Semester Hours per Week	2
Group Size		Workload (hours)	75
Teaching Language	German	Presence Hours	30
Study Achievements ("Studienleistung", SL)		Self-Study Hours	45
SL Length (minutes)		SL Grading System	

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

Exam Type		Exam Language	
Exam Length (minutes)		Exam Grading System	
Learning Outcomes			
Participation Prerequisites			

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

Contents	<ul style="list-style-type: none"> • Visit to companies and environmental check using self-developed questionnaires • Conducting employee interviews (interviews) • On-site inspection with recording • Evaluation of results (report) • Presentation of results
Literature	
Remarks	