

Environmental and Recycling Technology (M. Eng.)

Module – No	731	Obligatory
Module name	Proseminar	
Module coordinator	Prof. Dr.-Ing. Michael Rutz	
Title	Proseminar / Soft skills	
Title of examination	Proseminar	
Semester	1 st	
Course type	Language	English
	Lecture / Exercise	
Credit hours/ ECTS/ Workload	2/2/0	5 150
Formal Conditions	Bachelor of Engineering or Bachelor of Science degree	

1. Content and objectives

Content:

Elaboration of a topic + lecture.

Focus on didactic preparation of the lecture.

The basis can be a book, an excursion or students own BA thesis.

The students can apply the knowledge and skills acquired during their previous bachelor's degree and new knowledge by choosing one from the subject areas of the curriculum and combining this with their own and desired professional fields.

The topic will be reflected on company or institution-related and scientifically processed.

A project report must be drawn up for each task according to the formal principles of a scientific-technical qualification document.

The project work usually has the character of a study on the state of the art.

The project report should be 20 pages long.

Learning objectives:

The deepening of specialist knowledge, learning to work scientifically in new fields of technology, the application of evaluation, documentation and presentation techniques are important learning goals. Flexibility, team spirit and interdisciplinary working methods should be trained.

Literature: For preparation and follow-up the following textbooks are recommended:

1. Owen, J.: The leadership skills handbook : 100 essential skills you need to be a leader, London New York : Kogan Page, 2021. ISBN: 9781789666694, 1789666686.
2. Cowher, S.; Dickson, L. Effective planning strategies and proposal writing : a workbook for helping professionals, Lanham, Maryland : University Press of America, 2010, ISBN: 0761849777, 9780761849773.
3. Šedřová, Klára: Getting Dialogic Teaching into Classrooms : Making Change Possible, Singapore : Springer Singapore 2020, ISBN: 9789811592430.
4. Franck, Norbert: Schlüsselkompetenzen für den Beruf: professionell Schreiben und Reden, Präsentieren und Moderieren; Paderborn : Ferdinand Schöningh ; Stuttgart : UTB GmbH, 2020, ISBN: 9783825253974.

A list of further literature will be given out in the lectures.

2. Method(s) of instruction

Lecture, Exercise and Project Work

3. Requirements of attendance

There are no formal requirements for participation.

4. Usability of this module

The module is offered as obligatory module in the master study course Environmental and Recycling Technology (M.Eng.).

5. Requirements for assessment

Students need to pass the module examination, which encompasses all contents of the lecture. alternative examination performance - paper (20 pages) weighting: 50% + presentation / lecture Exam duration: 10 min Weighting: 50%
6. ECTS credits
Modules are assessed by a module examination, which is credited by 5 credit points according to the ECTS (European Credit Transfer and Accumulation System).
7. Frequency of offer
The module is scheduled for the first academic year.
8. Workload
Course Participation = 20 h Preparation and follow-up (of the lecture) = 20 h Preparation for examination = 110 h The entire workload encompasses 150 hours, which equals 5 ECTS credit points.
9. Duration of module
The module is lectured in one semester.