

Environmental and Recycling Technology (M. Eng.)

Module – Number	941	Obligatory for both specializations ET and RT		
Name of Module	Master Thesis and Master Colloquium			
Person Responsible	Prof. Dr.-Ing. Michael Rutz			
Course Title	Master Thesis and Master Colloquium			
Trial Identification	Master Thesis and Master Colloquium			
Semester	3rd			
Form of Course	Language	Lecture	English	
Credit hours/ ECTS/ Workload	20	30	900	
Formal Conditions	Bachelor of Engineering or Bachelor of Science degree			

1. Contents and Qualification Objectives

Independent processing of a current scientific and / or application-oriented problem from the field of ERT as well as a written presentation of the state of knowledge, the methods used, and the results obtained.

Topic from the specialization chosen by the student.

Colloquium on the master's thesis Presentation of the master's thesis and academic discussion about the content of the thesis.

Technical and methodical competence for the independent processing of an engineering problem according to scientific criteria within a set period.

Competence in the application of theoretical skills to complex issues.

Competence in the fast and systematic familiarization with new issues.

Ability to present results in a clear and understandable way.

Competence in the oral presentation of the results from working on a demanding task, which also includes dealing with the technical principles as well as the interpretation and discussion of the results.

Competence in showing external references to the work results. Strengthening communication skills.

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

Depending on the subject of the work.

2. Forms of Teaching

Individual work

3. Prerequisites for Participating

Fulfillment of the admission requirements according to the master's examination regulations

4. Usability of the Module

This module is an obligatory module in the Master's ERT.

5. Requirements for the Award of Credits

Written elaboration oral exam, duration 30 minutes per examinee.

Evaluation of the work with at least "sufficient" written, independently completed thesis, presentation of the results in seminar format, evaluation of 80% written work, 10% presentation, 10% discussion.

6. Credits and Grades

26 ECTS for Master thesis and 4 ECTS for Master colloquium (30 ECTS credit points in total).

7. Frequency of the Module

At any time.

8. Workload	
Master Thesis	= 750 h
Oral presentation	= 150 h
The entire workload encompasses 900 hours, which equals 30 ECTS credit points.	
9. Duration of Module	
The module is held within one semester.	