

## Master study course Renewable Energy Systems (M. Eng.)

<b>Module – No.</b>	<b>860</b>	<b>Mandatory module</b>	
<b>Module name</b>	<b>Master Thesis Module Renewable Energy Systems</b>		
Module coordinator	Prof. Dr.-Ing. Joachim Fischer		
Title	A: Master Thesis B: Presentation and Defence		
Title of examination	A: Master Thesis B: Presentation and Defence		
Semester	3		
Course type	Language	A: Scientific Project B: Colloquium	English
SWS/ ECTS/ Workload	-	A: 26 B: 4	900
Requirements for attendance	see §21 and §23 of the examination regulations		

<b>1. Content and objectives</b>
<p><b>Content:</b></p> <p><u>A: Master Thesis:</u> With the master thesis the students develop an independent scientific work. The results are usually derived from the practical activity to a given topic in a company or in another enterprise of professional scientific experience.</p> <p><u>B: Presentation and Defence</u> In the Colloquium, students should present the results of their master thesis in an oral presentation and answer the questions of the supervisors and the audience.</p> <p><b>Learning goals:</b> By completing the master thesis module, the students prove their professional qualification, to solve a practice-relevant engineering problem within a given time limit independently and with scientific methods, to present the results succinctly in a professional manner and to defend it in a colloquium.</p>
<b>2. Method(s) of instruction</b>
<p>A: Preparation of a scientific work supervised by an examiner of the university and a supervisor of the company/enterprise</p> <p>B: Independent presentation of the results during a colloquium</p>
<b>3. Requirements for attendance</b>
<p>A: The requirements are documented in §21 of the examination regulations.</p> <p>B: The requirements are documented in §23 of the examination regulations.</p>
<b>4. Usability of this module</b>
The module is mandatory in the master study course „Renewable Energy Systems“ (M.Eng.)
<b>5. Requirements for assessment</b>
<p>A: Assessment is performed with an at least sufficient graded master thesis.</p> <p>B: Assessment is performed with an at least sufficient graded colloquium.</p>
<b>6. ECTS credits</b>
<p>A: 26 ECTS credits</p> <p>B: 4 ECTS credits</p>
<b>7. Frequency of offer</b>
The module is lectured in any semester
<b>8. Work load</b>
The total workload for this module is 900 hours; this corresponds to 30 ECTS credits. This workload results mainly from the independent and self-responsible handling of the master thesis project (700 hours), the preparation of the master thesis (100 hours) and the presentation (100 hours).
<b>9. Duration of module</b>
One semester