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

<table>
<thead>
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<th>Module – No.</th>
<th>860</th>
<th>Mandatory module</th>
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<tbody>
<tr>
<td>Module name</td>
<td>Master Thesis Module Renewable Energy Systems</td>
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<tr>
<td>Module coordinator</td>
<td>Prof. Dr.-Ing. Joachim Fischer</td>
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</tbody>
</table>
| 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 |

#### 1. Content and objectives

**Content:**

A: Master Thesis:
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.

B: Presentation and Defence
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.

**Learning goals:**

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.

#### 2. Method(s) of instruction

A: Preparation of a scientific work supervised by an examiner of the university and a supervisor of the company/enterprise

B: Independent presentation of the results during a colloquium

#### 3. Requirements for attendance

A: The requirements are documented in §21 of the examination regulations.

B: The requirements are documented in §23 of the examination regulations.

#### 4. Usability of this module

The module is mandatory in the master study course „Renewable Energy Systems“ (M.Eng.)

#### 5. Requirements for assessment

A: Assessment is performed with an at least sufficient graded master thesis.

B: Assessment is performed with an at least sufficient graded colloquium.

#### 6. ECTS credits

A: 26 ECTS credits

B: 4 ECTS credits

#### 7. Frequency of offer

The module is lectured in any semester

#### 8. Work load

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).

#### 9. Duration of module

One semester