

Project Lab on Renewable and Sustainable Energy Systems – Introduction

Chair of Renewable and Sustainable Energy Systems

Summer semester 2025



General Overview

Programs: many different programs involved; **Language:** English or German

Course Registration

- For registration procedure [see topic list](#)

6 ECTS

120 hours self-study + 60 contact hours at the chair in Garching

- Time slot for contact hours in coordination with the supervisor (see topic list)

Moodle during semester

- Information to the course
- Other information, dependent on the group and supervisor

Working in groups

Project management

- Problem and goals are given by supervisor
- Definition of sub-tasks and deliverables by students
- Development of time schedule (Gantt-Chart)
- Assignment of responsibilities for the sub-tasks
- Work on the tasks
- Progress check with supervisor
- Adaption of time schedule if needed
- Review and assessment of the work and schedule

Learning Outcomes

After completion of the module, the students may be able to

- work in a group
- on a given problem and goal
- plan and manage the tasks and schedule needed to fulfill the goal
- document the work in a written scientific report
- present the work and results in front of a professional audience
- manage a critical discussion of the results

Study and examination performance – some information

Group work on given problem in contact hours (30 %)

- Work as a team – distribute the tasks and responsibilities
- Implement a team structure with transparent responsibilities – communication, tools, sharing content, ...

Written report (15-20 pages) with tasks, methods and results (40 %)

- Group report - even split on **all** group members
- Responsibility – who was responsible for what part of the report? Tag it!
- Structure – logical, easy to follow structure
- Content – as much as needed, but as condensed as possible, incl. time schedule etc.

Presentation of work as group (30 min) followed by discussion (10 min) (30%)

- Group presentation – even split on **all** group members
- Structure and content - make it understandable, clear key-messages
- Style – make slides easy to grasp; layout is important
- Discussion – prepare yourselves for possible questions

Module exam – important dates and deliverables

Exam Registration

- **Via TUMonline: May 26, 2025 – June 30, 2025**

Written report (15-20 pages) with tasks, methods and results (40 %)

- **Submission:**
by Monday, July 21, 2025, 7 am as PDF via email to supervisor

Presentation of work as group (30 min) followed by discussion (10 min) (30%)

- **Presentation time slots:**
Wednesday, July 23, 2025, 13:00 – 15:00, at ZEI in Garching (0003@5414)
Friday, July 25, 2025, 08:00 – 18:00, at ZEI in Garching (0003@5414)