

# Project Lab on Renewable and Sustainable Energy Systems – Introduction

Chair of  
Renewable and Sustainable Energy Systems

Winter semester 2022/23



# General Overview

Programs: many different programs involved

Language: German or English

## 6 ECTS

- 120 hours self-study + 60 contact hours at the chair (ZEI)
- Time slot for contact hours in coordination with the supervisor

## Moodle

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

## Exam Registration

- Via TUMonline: **21.11.2022 - 15.01.2023**

# Working in groups

## Project management

- Problem and goals are given by supervisor
- Definition of sub-tasks 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

# Module Exam

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

- Work as a team – same rights, same duties for all team members
- “No one gets left behind” – communicate please

## (2) 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.
- Use literature, care about layout and style
- **Submission: by Monday, 06.02.2023, 7 am as PDF via email to supervisor**

## (3) 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!
- **Presentation date: Friday, 10.02.2022, 8 am - 6 pm, at ZEI (Garching)**