

Course Syllabus

Project course in solar energy system or energy efficient buildings 7.5 Credits*, Second Cycle Level 2

Learning Outcomes

On completion of the course, students shall be able to independently:

- Implement a project model, define, follow up and evaluate a project
- Develop a project definition document - requirements specification and project plan
- Carry out a project in groups with different project roles (e.g., project leader)
- Break down the overall task into manageable subtasks and targets in a structured manner
- Call participants to project meetings, and lead and actively participate in these
- Report project status to its stakeholders
- Apply knowledge about solar energy systems or energy-efficient buildings, and economics and financing of energy systems in the project in a critical and systematic manner

Course Content

Block1: The course starts with joint lectures with background information on group dynamics, project management/leadership and technical communication. Students will be introduced to the project topics, projects groups will be formed and topics will be selected.

Block 2: In the second part of the course students will organize and define their project in detail. Students will break down the project topic into subtasks, collect information and select suitable working methods. Throughout the project, students will regularly hand in status reports and hold oral presentations about the project's progress for both course members and clients. Finally both a group report and an individual report will be written and the final results will be presented orally.

Assessment

Written tasks, oral presentations, and active participation in obligatory seminars, lectures and project meetings.

Active participation in lectures, seminars and project meetings 2 hp (U-G)

Oral presentation and written group report 4 hp (U-G)

Individual report (project history) in which students reflect on the project implementation,

1.5 (U-VG)

Forms of Study

Lectures, seminars, active information search, oral and written presentation of individual and group work, project meetings.

Grades

The Swedish grades U–VG.

The lectures, seminars and project meetings are compulsory and require active participation in the discussions. The overall grade is based on the individual report.

Prerequisites

At least 45 HEC of the courses of the Master Programme in Solar Energy Engineering or equivalent have to be passed.

Other Information

Number of examination attempts is limited to five.

Subject:

Energy Technology

Group of Subjects:

Energy Technology

Disciplinary Domain:

Technology, 100%

This course can be included in the following main field(s) of study:

1. Solar Energy Engineering

Progression Indicator within (each) main field of study:

1. A1F

Approved:

Approved 30 January 2014

Valid from 3 February 2014

Revised:

Revised, 9 October 2014

Revision is valid from 9 October 2014