

SYLLABUS

Development project- Climate adaptation 7.5 credits F7013B

Utvecklingsprojekt - klimatanpassning

Course syllabus admitted: Autumn 2015 Sp 2 - Autumn 2016 Sp 2

**DECISION DATE
2015-08-18**

Development project- Climate adaptation 7.5 credits F7013B

Utvecklingsprojekt - klimatanpassning

Second cycle, F7013B

Education level	Grade scale	Subject	Subject group (SCB)
Second cycle	G U 3 4 5	Arkitektur	Architecture

Entry requirements

The course F7009B Climatic conditions or equivalent basic knowledge of climate and course F7006B climate, landscape and buildings, or equivalent knowledge of the relationship climate and development and the course F7011B Climate and Human Activity, or equivalent knowledge of the relationship between humans and climate.

Selection

The selection is based on 30-285 credits

Examiner

Agatino Rizzo

Course Aim

Knowledge of:

- Planning and construction for the reducing the impacts of climate change.
- The possibility of using the positive experiences of seasonal climate variations to adapt buildings and the built environment.
- Working with resilience: the ability to respond to changes in climate conditions.
- Computer software for calculation / simulation of climatic conditions and design of urban and architectural forms.

Ability to:

- Apply knowledge of people's outdoor and indoor environments in different climatic conditions.
- Work in urban planning or building construction projects, and show examples of meeting people's needs and preferences in relation to climate change.
- Develop a qualified project within given resource limits.
- Design a planning project or building objects taking into account the demands of society on social, economic and ecological sustainability.
- Present findings to audiences outside the university, both in writing and orally.
- Interact in groups with different compositions.

Contents

Application of knowledge and skills, dedicated in previous courses in the master's program Climate sensitive planning and building

Realization

Each course occasion's language and form is stated and appear on the course page on Luleå University of Technology's website.

lectures

Integrated group task

The course is implemented as an application of the knowledge students have acquired in each specialization. Application is through participation in the planning, development and design of a concrete planning project or construction project. Students participate in the course with his\her alignment professional basis as input and will be working with a planning project or construction that students will face in their future careers. The work is done in groups with a group leader. Each group will have a supervisor from the university. The project is also supported by external trainers with professional experience.

Examination

If there is a decision on special educational support, in accordance with the Guideline Student's rights and obligations at Luleå University of Technology, an adapted or alternative form of examination can be provided. An integrated project assignment included in the course. Supervisor for each group is responsible for the rating of the group's performance in consultation with the examiner of the course. For a final grade active participation in and attendance at seminars with reviews and the final presentation of the project is required.

Literature. Valid from Autumn 2013 Sp 1

Literature is selected in consultation with the supervisor.

Course offered by

Department of Civil, Environmental and Natural Resources Engineering

Items/credits

Number	Type	Credits	Grade
0001	Group assignment	7.5	G U 3 4 5

Study guidance

Study guidance for the course is to be found in our learning platform Canvas before the course starts. Students applying for single subject courses get more information in the Welcome letter. You will find the learning platform via My LTU.

Last revised

by Eva Gunneriusson 2015-08-18

Syllabus established

by Eva Gunneriusson 2013-02-07