

SYLLABUS

Climate conditions 7.5 credits F7009B

Klimatförhållanden

Course syllabus admitted: Autumn 2016 Sp 1 - Autumn 2016 Sp 2

**DECISION DATE
2016-06-13**

Climate conditions 7.5 credits F7009B

Klimatförhållanden

Second cycle, F7009B

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

Entry requirements

Courses in at least 60hp in some of the following subjects: architecture, building construction, urban planning, landscaping, traffic planning or similar subjects

Selection

The selection is based on 30-285 credits

Examiner

Agatino Rizzo

Course Aim

Knowledge of how spatial planning and construction can be affected by and can influence the climate.

Basic knowledge in:

- Climate concepts.
- Climate conditions in different parts of the earth.
- Climatic conditions at different geographical scales: local, regional and global.
- Human activities and its influence on climatic conditions.

Contents

Climate concepts including temperature, atmospheric pressure, atmospheric humidity, wind, and precipitation etc.

Climate in different geographical dimensions

Climate models, climate types and climate zones

Seasonal variations

Daily variations

Research of climate changes

Climate scenarios

Cities and climate change

Realization

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

Lectures

Exercises

Assignments

Seminar on scientific literature within the subjects

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.

Examination

Assignments

Literature. Valid from Autumn 2016 Sp 1

Habitat, U. N. (2011). Cities and Climate Change—Global Report on Human Settlements 2011. London: Earthscan.
O'Hare, G., Sweeney, J., & Wilby, R. L. (2005). Weather, climate, and climate change: human perspectives. Pearson Education.

Additional readings will be provided/requested during the course

Course offered by

Department of Civil, Environmental and Natural Resources Engineering

Items/credits

Number	Type	Credits	Grade
0001	Written exam	4.5	G U 3 4 5
0002	Seminar	1	U G#
0003	Assignment	2	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 2016-06-13

Syllabus established

by Eva Gunneriusson 2012-03-14