

SYLLABUS

STUDY YEAR 2016/2017

Master Programme in Climate Sensitive Urban Planning and Building

Enrollment semester Autumn 2015

DATE

2016-05-17

DECISION MAKER

Chef Utbildnings- och forskningsenheten

Programme content and structure

The study programme offers: an overall knowledge of climate issues in a global context, practical knowledge about regional and local climate in landscape and built-up areas; and knowledge of urban planning and building design in cold and warm climates. The programme provides knowledge about how urban planning and building design can decrease strains on global climate. In addition the courses provide knowledge about the design of indoor and outdoor living areas that consider climate conditions for all seasons. Teaching builds on the skills and experiences gain from research undertaken by LTU's Department of Civil, Environmental and Natural Resources Engineering. As this knowledge is applicable in urban planning for both cold and warm climate the entire world can be your working place. All teaching is in English. Specialisations: •Climate Sensitive Urban Planning and Design: the planning and design of urban projects that are adjusted to seasonal climate and climate change. Here students apply climate knowledge to spatial planning and urban design projects. •Climate Sensitive Building: the planning and managing building projects that are adjusted to seasonal climate and climate changes. Here students apply climate knowledge to the design of building projects.

Credits

120 credits

Degree

- Degree of Master of Science (120 credits) - Major; Architecture

Specialisations

Specialisation

- Building and design
- Urban planning and design

Entry requirements

Bachelors degree of minimum 180 ECTS with at least 60 ECTS in the area of Architecture, Building construction and design, Urban design, Urban Planning, Spatial planning, Landscape planning, Planning, Traffic Planning or similarly. At least 22,5 credits in Mathematics at university level is required.

Documented skills in English language.

Selection

The selection procedure is based on academic qualifications, quality and quantity aspects

Selection group

Academic: 100%

Compulsory courses

Common courses 90 credits

Course code	Course	Cr	Level	Comment
C7002B	Sustainable urban development	7.5	Master's level	
F7006B	Climate, landscape and build-up areas	7.5	Master's level	
F7009B	Climate conditions	7.5	Master's level	
F7011B	Climate and Human Activity	7.5	Master's level	
F7012B	Climate, Project Course	7.5	Master's level	
F7013B	Development project- Climate adaptation	7.5	Master's level	
F7015B	Digital Urban Planning & Design	7.5	Master's level	
G0008B	Snow and Ice	7.5	Bachelor's level	
X7012B	Degree project in Climate Sensitive Urban Planning and Building, master	30	Master's level	

Specialisation: Building and design

Compulsory courses 30 credits

Course code	Course	Cr	Level	Comment
F7007B	Architectural Building Planning	7.5	Master's level	
F7008B	Architectural Building Programming	7.5	Master's level	
W7006B	Structural design	7.5	Master's level	
W7007B	Building technology	7.5	Master's level	

Specialisation: Urban planning and design

Compulsory courses 30 credits

Course code	Course	Cr	Level	Comment
F7001B	Planning methods	7.5	Master's level	
F7003B	Urban Morphology	7.5	Master's level	
F7017B	Urban Spaces	7.5	Master's level	
V7002B	Urban Stormwater Management	7.5	Master's level	

Study schedule

Year of study 1 Enrollment semester Autumn 2015, Is offered in 2015/2016

Study-period	Course code	Course	Cr	Comment
1	C7002B	Sustainable urban development	7.5	
1	F7009B	Climate conditions	7.5	
2	F7006B	Climate, landscape and build-up areas	7.5	
2	F7015B	Digital Urban Planning & Design	7.5	
3	G0008B	Snow and Ice	7.5	
4	F7012B	Climate, Project Course	7.5	

Year of study 2 Enrollment semester Autumn 2015, Is offered in 2016/2017

Study-period	Course code	Course	Cr	Comment
1	F7011B	Climate and Human Activity	7.5	
2	F7013B	Development project- Climate adaptation	7.5	
3-4	X7012B	Degree project in Climate Sensitive Urban Planning and Building, master	30	

Specialisation: Building and design

Year of study 1 Enrollment semester Autumn 2015, Is offered in 2015/2016

Study-period	Course code	Course	Cr	Comment
3	W7007B	Building technology	7.5	
4	W7006B	Structural design	7.5	

Year of study 2 Enrollment semester Autumn 2015, Is offered in 2016/2017

Study-period	Course code	Course	Cr	Comment
1	F7008B	Architectural Building Programming	7.5	
2	F7007B	Architectural Building Planning	7.5	

Specialisation: Urban planning and design

Year of study 1 Enrollment semester Autumn 2015, Is offered in 2015/2016

Study-period	Course code	Course	Cr	Comment
3	F7003B	Urban Morphology	7.5	
4	V7002B	Urban Stormwater Management	7.5	

Year of study 2 Enrollment semester Autumn 2015, Is offered in 2016/2017

Study-period	Course code	Course	Cr	Comment
1	F7001B	Planning methods	7.5	
2	F7017B	Urban Spaces	7.5	