AR-532

Introduction to landscape and green space planning

Jessel Beate

Cursus	Sem.	Type
Architecture	MA1, MA3	Opt.
Territories in transformation and climate minor	H	Opt.
Urban Planning and Territorial Development minor	H	Opt.

Language of teaching	English
Credits	3
Session	Winter
Semester	Fall
Exam	During the semester
Workload	90h
Weeks	12
Hours	**3 weekly**
Lecture	1 weekly
Project	2 weekly
Number of positions	

Summary

The course provides an introduction of landscape and green space planning, with a focus on urban areas. The aim is to convey an understanding that the built and green environment in cities should be thought of together from a design as well as from an ecological point of view.

Content

- Introduction to / overview of the role of landscape and green planning in the system of spatial planning.
- Green spaces, ecosystem services and the principle of multifunctionality
- Cities in climate change and the role of green systems
- Nature-based approaches to support cities' adaptation to climate change
- Therapeutic mechanisms and health implications of green spaces, design of green spaces and green space systems to support human health
- Presentation and critical discussion of some common spatial planning concepts for green planning (e.g. green infrastructure, green belts, double internal development in the redensification of settlements, pico parks, urban gardening and urban wilderness, animal aided design)
- Participatory approaches in urban and landscape planning
- Interrelation between formal and informal planning processes

Keywords

Urban green spaces
Landscape planning
Ecosystem services
Nature-based solutions to climate change mitigation and adaptation
Green infrastructure
Environmental Health

Learning Outcomes

By the end of the course, the student must be able to:

- Recognize how planning processes work
- Analyze and critically reflect on planning approaches for green spaces in urban planning
- Argue for the role of green spaces for a healthy and sustainable urban development

- Promote the relationship between the built and green environment

Transversal skills

- Communicate effectively, being understood, including across different languages and cultures.
- Take responsibility for environmental impacts of her/ his actions and decisions.
- Take responsibility for health and safety of self and others in a working context.
- Demonstrate the capacity for critical thinking
- Make an oral presentation.
- Write a scientific or technical report.

Teaching methods

Lectures, exercises

Expected student activities

Students are expected to regularly attend the lectures and exercises offered and to actively participate in the discussions. The are expected to develop a critical reflection on an exemplary planning approach or case study, facilitate a related discussion and, based on this, prepare a short written paper.

Assessment methods

- Active and continuous participation in discussions 30%
- Presentation of a green planning approach and moderation of the discussion on it 30%
- 1 paper (individual, written report on planning approach or case study) 40%

Resources

Moodle Link

- https://go.epfl.ch/AR-532