



# AG2122 Stockholm Urban Lab I

## 7.5 credits

Stockholm Urban Lab I

This is a translation of the Swedish, legally binding, course syllabus.

### Establishment

Course syllabus for AG2122 valid from Autumn 2008

### Grading scale

A, B, C, D, E, FX, F

### Education cycle

Second cycle

### Main field of study

The Built Environment

### Specific prerequisites

Three years studies ( total 180 credits) in Architecture, Town Planning, Urban Planning or Landscape Architecture.

### Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

## Intended learning outcomes

- Demonstrate a general understanding of the complexities and crucial issues of urban development, green urbanism, city planning and management within the micro, meso and macro regions.
- To use the Google Earth and SketchUp software in a comprehensive way.
- Give formal and personal presentations of an urgent urban problem or solution that they have formulated.
- Build a common knowledge base pool with other students in the course and to share global urban experiences and personal insights within the studio modules and various groups.
- Start working with experimental design proposals in complicated settings – and make “performance based” evaluations of other students work.
- Produce knowledge based analysis and design proposals for areas in greater Stockholm, which are suitable for development or re-development.
- Describe and tackle the negative aspects of climate change through rampant urban development, sprawl, energy waste, pollution, uncontrolled urbanization and migration and lack of sustainable planning & design.
- Critically analyze the present urban situation in Stockholm, such as questions dealing with transportation, economics, ecology, physical form and social aspects.

## Course contents

Being the first course in the UPD program, it relies heavily on students' own capacity and knowledge – in both design and presentation skills. The mix of international students is imperative for an approach of global urban understanding and to form the base of activities in which “The world comes to Stockholm and local (Swedish) students introduces students from all over the world to Stockholm. A number of study visits are included in the course, primarily in the larger Stockholm region, to create a common knowledge and reference point for student assignments, analysis and seminars. The objective of the first part of the course is to offer a dynamic update of the state of urban reality today, based on the students own experience and (if applicable) previous studies in architecture and urbanism as well as staff's expertise and joint work in studio modules.

## Disposition

Students will present and analyze urban situations from all over the world, and compare with the Swedish situation. The course will also, via literature seminars and discussion of key readings, advance a framework within in which urban design is integrated into the realm of global urbanism. In the second part of the course, the focus is on analysis of and production of a re-design of a larger urban situation in greater Stockholm. To implement the learning paradigm of the UPD program, based on the concept of “performance based design” extended time and work is assigned to the evaluation and testing of students final design proposals, after the completion of assigned work tasks – proposals will be evaluated both from a technical/scientific point of view and from a subjective/user friendliness point of view.

## Course literature

Farr, Douglas (2007), Sustainable Urbanism: Urban Design with Nature. John Wiley & Sons: New Jersey.

Malcolm Moor and Jon Rowland (Editors) (2005) Urban Design Futures, London: Routledge

David Walters and Linda Luise Brown (2004), Design First: Design-based Planning for Communities. Architectural Press/Elsevier: Amsterdam

Jack Williams, Stanley Brunn and Donald Zeigler (with Peter Hall) (2003) (Editors) Cities of the World: World Regional Development, Rowman & Littlefield: Oxford

Haas, Tigran (Editor) (2008) New Urbanism & Beyond: Designing Cities for the Future, Rizzoli: New York

## Examination

- SEM1 - Workshop, Seminar, 2.5 credits, grading scale: A, B, C, D, E, FX, F
- PRO1 - Project work, 4.5 credits, grading scale: A, B, C, D, E, FX, F
- NÄR1 - Attendance, 0.5 credits, grading scale: P, F

Based on recommendation from KTH's coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

If the course is discontinued, students may request to be examined during the following two academic years.

## Other requirements for final grade

Attendance (NÄR1; 0,5 credit) Project work (PRO1; 4,5 credits) and Workshop, Seminar (SEM1; 2,5 credits)

## Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.