



AG2811 Planning for Resilience

7.5 credits

Planering för resiliens

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

Establishment

Course syllabus for AG2811 valid from Autumn 2011

Grading scale

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

Education cycle

Second cycle

Main field of study

The Built Environment

Specific prerequisites

Same as for the Master program in Sustainable Urban Planning and Design, the track Environment and Planning.

The student should have passed the courses: AG2805 Sustainable Planning and Design, AG2171 Futures studies and Forecasts, AG2126 Theory of Science and Research Methodology for Planning and Design, and AG2127 Planning theory and Urban Governance, or equivalent.

Language of instruction

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

Intended learning outcomes

The course introduces the participants to different perspectives on complex adaptive systems and their resilience, adaptability and transformability. Epistemological issues are analysed in lectures, seminars and readings, and policy implications discussed. Special reference to the concepts in a planning context will be made.

After passing the course, the participant can:

- Describe different meanings of the major concepts (including resilience, adaptability, transformability, social-ecological systems and complex adaptive systems) and describe how these concepts are related within different theoretical frameworks
- Describe and assess policy and planning implications of these concepts
- Apply the central concepts of the course in a planning context

Course contents

Lectures cover: Resilience, adaptability, transformability, ecosystem dynamics, complex adaptive systems, social-ecological systems, cases from research

The course also includes: Seminars discussing the literature

Course literature

Preliminary course book:

Walker, B and Salt. 2006. Resilience Thinking: Sustaining ecosystems and people in a changing world. Island Press: London

will be added with additional literature and relevant internet links

Examination

- SEM1 - Seminars, 2.0 credits, grading scale: P, F
- TEN2 - Group exam, 2.5 credits, grading scale: A, B, C, D, E, FX, F
- TEN1 - Take home exam, 3.0 credits, grading scale: A, B, C, D, E, FX, 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

Written exam on key concepts, will be graded A-F. Participation in seminars, will be graded with Passed or Not Passed. Written final group exam, will be graded A-F. To complete the course, all parts must be graded with an E or higher.

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.