AI2803 Project Development and Construction Processes 7.5 credits

Projektutveckling och byggprocesser

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

Establishment

Course syllabus for AI2803 valid from Autumn 2010

Grading scale

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

Education cycle

Second cycle

Main field of study

The Built Environment

Specific prerequisites

Project Communication (AI2801) or corresponding course.

Language of instruction

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

Intended learning outcomes

The course aims to provide the students with insights in the value adding activitites in all phases of a building project and especially how those can be realized in the construction phase. After finishing the course the students should be prepared to take part and manage the conceptual development of a project and to organize and manage construction processes from client briefs and design to production and maintenance.

Course contents

Two parallell processes are studied in the course. The first process is the project development process: how to analyse needs and market, find och develop the building site, manage legal conditions and financing, define and design the actual building, purchase the production, marketing, find customers/investors. The second process is the production process: planning, preparation, manufacturing, purchasing, delivery and assembly. The intricate and strategic relationship between those two processes are studied with focus on the project management mission.

Course literature

Managing Construction Projects, Graham M. Winch, Wiley-Blackwell (2010).

Vad, när, hur och av vem. Praktisk projektledning inom bygg-, anläggnings- och fastighetsbranschen, Hans Ottosson, Svensk Byggtjänst (2009).

Selected articles will be announced at the course introduction.

Examination

- SEM1 - Seminars, 2.5 credits, grading scale: P, F
- ÖVN1 - Essay, 5.0 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

ÖVN1 - Individual essay, 5,0 credits
SEM1 - Seminars, 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.