# A52T3B Architectural Technology Research, Studio - 5:3 12.0 credits

Designstudion för arkitekturens interdisciplinaritet, studio - 5:3

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

## Establishment

Course syllabus for A52T3B valid from Autumn 2012

## Grading scale

P, F

## Education cycle

Second cycle

## Main field of study

Architecture

## Specific prerequisites

One year fully approved architectural studies at the advanced level, courses and projects.

## Language of instruction

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

## Intended learning outcomes

Students who have completed this course should be able to

• Formulate and execute design strategies that employ advanced use of technology and interdisciplinary resources

• Identify and account for the key aspects of the main design brief in terms of site and program, as well as spatial, social, technical, structural, contextual and environmental requirements on a general level

• Demonstrate the use of digital fabrication specified in the course proramme for developing and testing architectural design and for making informed design choices

• Explain and evaluate the key issues during conceptual development of the main design brief

• Communicate critical issues within the team and with any external consultants

## Course contents

The Architectures of Interdisciplinarity Design Studio seeks a holistic synthesis of technological investigation and design, using projective and case-based learning to research the socio-technological implications of design strategies.

Emphasis is placed on developing methodologies for testing projected proposals and for evaluating the relative value of quantitative and qualitative modelling.

The third semester of the studio will introduce the main brief and site, as well as related in-depth research topics. Design work will be paralleled with research and documentation of relevant findings.

## Disposition

Workshops in a studio,tutorials,seminars, reviews.

## Course literature

Will be announced at the beginning of the course.

## Examination

• PRO2 - Project, 3.0 credits, grading scale: P, F
• PRO1 - Project, 9.0 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

At examination the student will be assessed on how she/he has fulfilled the "Learning outcomes".

More specific course specific examination procedures to be announced at course start.

The studio presentation will be part of the future diploma portfolio and shall be delivered in an appropriate and fully qualified way.

80% attendance of all course events and pass level attainment in all studio assignments.

# 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.