This course will provide insights in architectural tectonic properties and the understanding of the construction and material as a space-making expressive element.

The studies are based on case studies of a number of buildings with particularly clear and interesting tectonic features. The buildings are covered in lectures, seminars and practical exercises.
**Aim:** The aim of the course is to provide in depth knowledge about architecture as a dialogue between building design, materials and construction. The students will study tectonic meanings in architecture through looking at a construction as a whole including symbolic, representative and other values. They will train the process of shaping architecture through aesthetic processing of material and construction. The aim is also to provide deep knowledge and understanding about materials and technologies from different periods of architecture to be able to interpret and apply in modern work.

**Content:** The course is directed to the modern building tectonics. The work includes both analysis and development of the built environment. The course is based on earlier basic knowledge and provides more complex, broader and deeper studies in materials, details and advanced structures of architecture.

A great part of the course is to investigate the relation between architecture, space, construction, material and details though model-making in the school’s workshop.

The course is mainly scheduled on Thursdays and Fridays during 10 weeks of the semester, including own work. The work load of the course makes it unsuitable to combine this course with an other elective course.

The studied examples are selected from various historical eras to describe universal phenomenons in architecture, but an emphasis will be on buildings from the Modern Movement.

**Literature:**
Kenneth Frampton: Studies in Tectonic Culture
Various articles

**Examples of architects to study**
Giancarlo de Carlo, Filippo Brunelleschi, Deane & Woodward
Frank Lloyd Wright, Erik Gunnar Asplund, Alvar Aalto, Mies van der Rohe, Louis Kahn, Carlo Scarpa, Jørn Utzon, Sigurd Lewerentz, Alison & Peter Smithson, Herman Hertzberger, Le Corbusier, Kengo Kuma

**Teachers:**
Tomas Tägil (course coordinator), Tomas.Tagil@arkitektur.lth.se
Bernt Nilsson (course teacher)

For more information, see also the course syllabus
http://kurser.lth.se/kursplaner