

Universities in Helsinki, Finland

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HELSINKI SUMMER SCHOOL

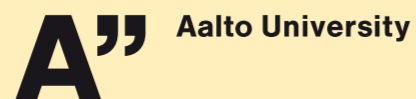
2010

August 3 to 19

Thinking Allowed

COURSES 2010

- Activity Theory and Formative Interventions
- Agriculture and Environment: Ecosystem Services
- Borders and Identities in Europe
- Business to Business Marketing
- Consumer Behavior
- Contemporary Nationalisms around the World
- Design and the City
- Developing Intercultural Competence
- Ecology and Management of Urban Green Space
- Environmental Services in Forest Management
- Interdisciplinary Product Development
- Introduction to Bioethics
- Introduction to Conceptual History
- Participatory GIS in Development Studies
- Profitable Customer Management
- Video in Research on Learning and Education
- Wood in Construction and Architecture



The Theatre Academy of Finland:



National Defence University:





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WOOD IN CONSTRUCTION AND ARCHITECTURE

6 ECTS

August 3 to 19

Wood has a strong tradition in Finnish culture and has always been one of Finland's major building materials. Aesthetically, structurally and environmentally, wood will remain one of the most important construction materials for a long time to come. Wood works in accordance with nature and continuously inspires new directions in the design and construction of timber buildings. Excellent wood architecture, constant research and extensive experience with an understanding of timber construction make Finland one of the world's major wood architecture countries.

In the studio "Wood in Construction and Architecture", students will design and build a wooden structure, and will study Finnish timber and the use of timber in construction and architecture on a practical level. The aim of the course is to acquaint students with Finnish timber from an aesthetical point of view, to expose them to a technical approach and to show them the relationship between architecture and construction material. The course is intended for students of architecture, building technology, wood technology and design.

The course takes the form of a practical workshop. Students study the architectural and technical properties of wood and, working in small groups, build a wooden structure that serves the

purpose of learning by doing. The course also includes an excursion during which students will have an opportunity to study the Finnish wood architecture. Visiting lecturers will also introduce students to diverse viewpoints on the use of wood that emphasise the innovative architectural, artistic and perhaps also the economic aspects of wood as a building material.

The course will be led by architects Pekka Heikkinen and Philip Tidwell, who teach wood construction in the Department of Architecture at the Aalto University School of Science and Technology. They will be joined by civil engineer Hannu Hirsi, an expert on practical issues dealing with timber structures.

Prior to the beginning of the course, students will analyse the use of wood in architecture and construction in their home countries. This analysis will be complemented by an analysis of traditional and contemporary wood architecture. These analyses must be completed and submitted two weeks before the course begins.

The course will be held in the well-equipped Wood Workshop of the Department of Architecture in Otaniemi. After completion of the course, the project structures will be exhibited at the Aalto University School of Science and Technology in Otaniemi.

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Organiser:

A! Aalto University
School of Science
and Technology

Aalto University School of Science and Technology
Department of Architecture
Wood Program

HELSINKI SUMMER SCHOOL – THINKING ALLOWED
Helsinki Summer School is a three-week academic event organised every August by the universities in Helsinki, Finland. Each year we give advanced degree students from over 60 countries an unforgettable learning experience that combines high quality academics with a wide range of cultural and social activities. Our multi-disciplinary courses, all of which are taught in English, aim at stimulating thought and intellectual development in an open and diverse environment. As a city known for design, technology and its vibrant cultural life, Helsinki is sure to be the experience of a lifetime.

For further information, please visit our website at www.helsinki.fi/summerschool or contact us directly by email at summer-school@helsinki.fi.