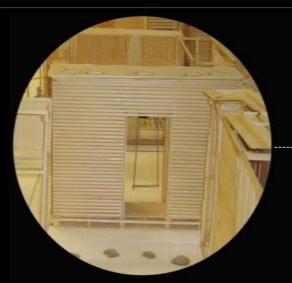


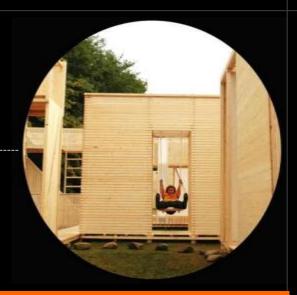
Bjørn Otto Braaten and Gro Rødne

TRANS ark

The very first project our students are assigned, is to complete a small scale scenario of the entire design process from idea to construction.





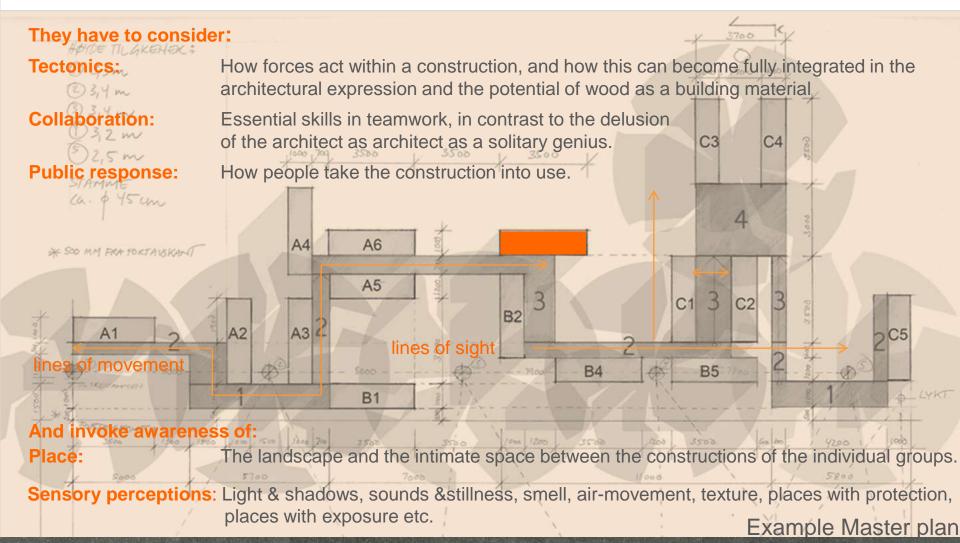


14 days model work 1:10 14 days of building 1:1













This hands on start gives our students a basic understanding of materiality and construction

They will experience space and scale and how the structures are taken into use

They will have to cooperate and be aware of the surroundings and how they are changing a place In addition they will gain a basic, although modest skills in building

And they will discover the possibilities of WOOD















The constructive potential, availability, and easily manageable

dimensions make WOOC

a particularly suitable

material in this context. It has got a wide range of **possibilities of expressions** it's **easily workable**, **easy to change** - and finally to **dismount and reuse**



STRUKTUR I LANDSKAP 2011 PHOTO: ANDREAS MAGERØY



This is a demanding way of teaching but has proved to give positive results and a valuable knowledge of wood as a construction material.

It is a result of an intentional priority area on full-scale building, especially on wood as a building material, over the past 12 years.

The national wood-center (TreSenteret) has been a central contributor in this work.

Both the Faculty and the wood industry undoubtedly benefit on the exposure these projects implies.



Remember: Todays Students are tomorrows leaders, byers, builders, inventors....

In order to increase the competence and the use of wood we must start with the students.

NU Faculty of Architecture and Fine Art



Photo: Gro Rødne



"Making is thinking" addresses a much needed re-examination and re-description of how to understand and develop skills connecting the body and mind and is one of five work packages in the new Centre TRANSark

Student work, both in the first year and in the master course "Making is thinking" are targets for this work package.

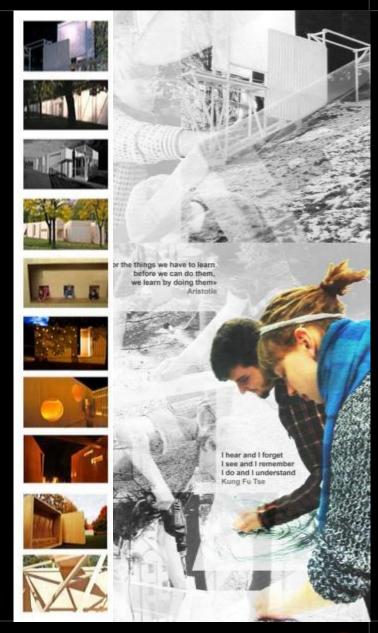
The assignments used as objectives, span from full-scale building to other "hands-on" experiences, in the overlap between artistic and architectural methods. "Doing" as a source of new knowledge is the common denominator:

making is thinking

Making is thinking seeks to investigate the transformative aspects the students experience through this direct learning by making.

We will also examine **if** -, and in which case, **how** this way of learning changes how students understand and practice Architecture. The presumed insight will be used in the redesign and development of the current courses.

Read more: http://www.ntnu.edu/transark



The way we teach
In this assignment
is something in between
Master and Apprentice
and
letting the students
find their own way



«For the things we have to learn before we can do them, we learn by doing them». Aristotle

I hear and I forget I see and I remember I do and I understand



Kung Fu Tse



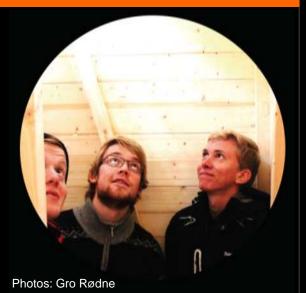
WORKING WITH WOOD

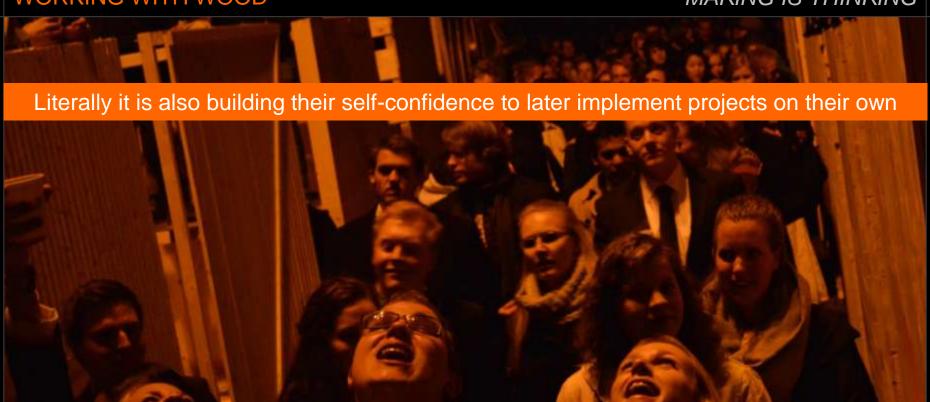
Architecture belongs to the "Making disciplines" But the traditional design studio cannot mimic the embodied experience that is achieved through a "live" situation of making. The students will gain a knowledge that not only covers professional and academic skills, but also contextualizes tacit knowledge.

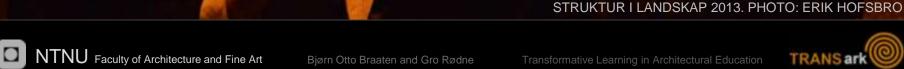


"We can easily conclude that this assignment is indeed an ancient one"

Rules, regulations and software are constantly changing. But certain factors do not change rapidly: How we experience space is related to our beings as "biological and cultural creatures" (Juhani Pallasmaa) Our students get this embodied experience of their own architectural work from the very beginning of the study.











Our students carry out high quality wood projects around the world









THE REAL WORLD FACTOR

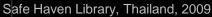






TYIN tegnestue All photos: Pasi Aalto





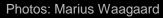


Cassia Co-op Training Centre, Sumatra, 2011



Boathouse, Aure, 2011

RAKE Show room, Trestykker m/August Schmidt, 2011







The Prettiest House in the World, Einar Bye & Ola Sendstad, Master 2011













RALLAR architects, Rjukan Town Cabin 2013

Photos: RALLAR







RALLAR architects, Boathouse in Haddal, Sunnmøre 2012

Photos: RALLAR

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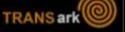
















MASTERCOURSES

BUILDING WITH WOOD IN RINDAL

RINDAL 1 Sauna

Mastercourse:Topology/Typology/Techtonics Ass. Prof. Finn Hakonsen, dep. BHT AB fac, NTNU / Rindal kommune, 2011















RINDAL 3

Starwatching Tower

Mastercourse: Timber Structures Prof. Jan Siem, dep. BHT

AB fac, NTNU / Rindal kommune, 2014/2015









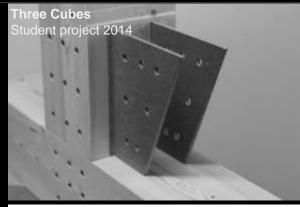


TRANSark

RINDAL 3 Starwatching Tower

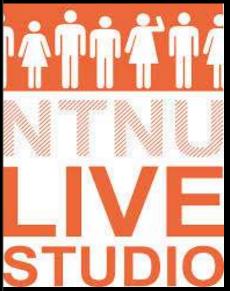
Mastercourse: Timber Structures Prof. Jan Siem, dep. BHT AB fac, NTNU / Rindal kommune, 2014/2015







TRANSark



A dual model with a Faculty HUB cooperating closely with the Student HUB, "Studio Beta", has been developed. The dual approach is to ensure the balance between student independence, professional ownership and the necessary monitoring by the institution.

NTNU Live Studio HUB c/o Hans Skotte, Steffen Wellinger, Elena Archipovaite

Studio BETA c/o Kristin Solhaug, John Haddal Mork Kristoffer Olsen Hauge

Live Studio: http://ntnulivestudio.org/



Photo: Trestykker

