



bachelor

winter 21/22

background photo: <https://www.flickr.com/photos/7398484@N02/>

ba.m2.5 design

course

Dipl.-Ing. Neil Winstanley (Spine Architects, Hamburg)

lecturer

TIMBERLISM [Season-03]: Housing, Wood + Community

title

After years of pioneering work by individual protagonists, it is time to turn engineered timber into a broad global movement with a large social acceptance. Become part of this design and construction revolution by helping us secure the future of our planet with your architecture!

By using more wood instead of carbon intensive materials such as concrete or steel and thus reducing "grey energy" in the production chain, we can significantly reduce the amount of CO² emissions in the building sector. At the same time CO² absorbed from the atmosphere by means of photosynthesis can be stored in our buildings as a natural sink tank. In sustainable managed forests, replanted trees absorb further amounts of CO² from the atmosphere.

In this design course, you will have the opportunity to design a residential building with engineered timber. Optionally, there is the possibility to submit the work to this year's "Proholz Student Trophy" The course is held in English

topic

1) Site and Task: <https://www.proholz-student-trophy.at/>

2) "Buildings as a global carbon sink" - Publication of the Potsdam Institute for Climate Research PIK in the scientific journal Nature from 27.01.2020:
<https://www.pik-potsdam.de/news/press-releases/buildings-can-become-a-global-co2-sink-if-made-out-of-wood-instead-of-cement-and-steel>

recommended reading