

## COURSE DESCRIPTION

### PRIVATE

<b>Course title</b> Private	<b>Kurstitel</b> Privat
<b>Course number</b> BI2PZ--KMU	<b>Approved</b> 06.06.23
<b>Level and semester</b> BA, 4th semester	<b>Field of study</b> Industrial Design
<b>ECTS</b> 10	<b>Responsible</b> Per Voss Nielsen
<b>Exam form</b> Semester exam (see Studieplan/Studyplan on Itslearning)  Combination test: Oral defence and design product	<b>Assessment</b> 7-point grading scale  The exam will be an overall evaluation of the presented design product and the oral defence.
<b>Censor</b> External	<b>Extent/duration of exam</b> The duration of the total semester exam is 60 minutes, of which:  20 minutes are for the student's presentation 20 minutes are for discussion 20 minutes are for voting and assessment
<b>Group work</b> see Studieplan/Studyplan on Itslearn- ing	<b>Prerequisite</b> As a mandatory prerequisite for participation in the exam, the stu- dent must deliver a learning portfolio before a deadline set by the study administration.

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#### Course objective

The course objective is for the students to gain an understanding of the private/domestic as a context, and what this contextual framework means for a design. The students are introduced to basic principles within statics and construction structures to gain a basic understanding of how a construction can be dimensioned in order to be stable and durable.

The students must develop a product for the home where focus is on the interplay between form, materials, statics and production methods, including the use of CAD-programmes for production purposes (e.g. working drawings).

The project must be presented in a format adapted to participation in a relevant design competition (for example BRAUN Prize or FSC Design Award).

In the course, there is focus on wood and composite materials, and the students are expected to base their projects on these types of materials.

As a specific sustainability perspective in this course, the students will be introduced to theories and principles in relation to 'design for disassembly' as well as considerations in relation to sourcing and disposal of specific materials.

#### Learning outcome

At the examination, the student is expected to:

##### Knowledge:

- *have knowledge about 'design for disassembly' principles in relation to sustainability*
- *have knowledge about the importance of choice of materials and production methods in relation to form, function, and environmental impact of a product*
- *have knowledge about basic principles for statics and stability in a product*

##### Skills:

- *be able to use specific methods to design products with a focus on sustainability*
- *be able to present own design in a format adapted for competition*
- *be able to familiarize himself/herself with a specific context as the starting point for his/her design (in this case the domestic)*
- *be able to reflect on 'design for disassembly' principles and the value of this approach*

##### Competences:

- *be able to develop a design for disassembly' -based product*
- *be able to use a CAD-programme to make working drawings for industrial production*

#### Generic learning outcome

In addition to the above-mentioned course-specific learning outcomes, the student is also expected to:

- *be able to present own research and project through an oral and visual presentation, that both explains what, why and how, and contains a reflection on the process and the concrete learning along the way*
- *be able to translate design experiments – regardless of the outcome – into learning and development of their own design practice*