KURSPLAN

Realisering av industriell design projekt, 7,5 högskolepoäng

Realization of Industrial Design Project, 7.5 credits

Kurskod:	TRDS22	**Utbildningsnivå:**	Avancerad nivå
Fastställd av:	VD 2021-03-01	**Utbildningsområde:**	Tekniska området
Reviderad av:	Utbildningschef 2021-10-29	**Ämnesgrupp:**	DE1
Gäller fr.o.m.:	2022-01-01	**Fördjupning:**	A1F
Version:	2	**Huvudområde:**	Produktutveckling

Lärandemål

After a successful course, the student shall;

The student will gain a holistic perspective of how companies work with the design methodology and process. Assignments and projects will give the student the opportunity analyze brand identity and combine different shapes, form, and texture in design for different purposes. The intention of the projects is to create a realistic concept that can be communicated thru excellent physical prototypes and digital renders.

Kunskap och förståelse
- display knowledge of textures, materials in product
- show familiarity with brand identity
- demonstrate comprehension of understanding of how to present and communicate designs in writing.

Färdighet och förmåga
- demonstrate the ability to ability to plan and structure a design project
- demonstrate the ability to produce physical design models with high quality
- demonstrate skills of designing products from a brand's perspective.

Värderingsförmåga och förhållningssätt
- demonstrate an understanding of the product's role in brand identity
- demonstrate an understanding of the design process from a humanistic and development perspective as well as the role of the designer has been in the development process.

Innehåll

Focus of the course is to visualize design through sketches, illustrations, rendered images and physical models.
The course includes the following elements:
- Morphology
- Aesthetics

- Design methodology
- Product methodology
- Sketching
- Free form Techniques
- Rhetoric and Communication

Undervisningsformer

The course is implemented through lectures, supervision, assignments and projects.

Undervisningen bedrivs på engelska.

Förkunskapskrav

The applicant must hold the minimum of a bachelor's degree (i.e., the equivalent of 180 ECTS credits at an accredited university) with at least 90 credits within the major subject Mechanical Engineering or Civil Engineering (with relevant courses in construction and design), and 15 credits Mathematics, or equivalent. Passed the course Design Philosophy and Practice 7.5 credits. Proof of English proficiency is required.

Examination och betyg

Kursen bedöms med betygen Underkänd eller Godkänd.

Poängregistrering av examinationen för kursen sker enligt följande system:

Examinationsmoment	Omfattning	Betyg
Inlämnigsuppgifter	3 hp	U/G
Projektarbete	4,5 hp	U/G

Kurslitteratur

The literature list for the course will be provided 8 weeks before the course starts.