

Textile Product Development Textil Produktutveckling

7.5 credits

7.5 högskolepoäng

Ladok Code: AT1TP1

Version: 13.0

Established by: Committee for Education in Technology 2018-06-20

Valid from: Autumn 2018

Education Cycle: First cycle

Main Field of Study (Progressive Specialisation): Textile Engineering (G2F)

Disciplinary Domain: Technology 50%, Design 50%

Prerequisites: Completed 60 higher education credits in Textile Technology, Textile Management, Textile Design, Fashion Design, or equivalent knowledge.

Subject Area: Textile Technology

Grading Scale: Seven-degree grading scale (A-F)

Content

The course covers the field of textile product development ie the various steps in the product development process such as success factors for product development, user and user requirements, functional analysis, product specification, visualization methods, concept development, selection processes, product semantics, comfort and eco-design.

Learning Outcomes

After completing the course the student will be able, with respect to,
Knowledge and understanding

- 1.1 Describe the various stages in the product development process.
- 1.2 Describe the relationship between user needs and product requirements.
- 1.3 Explain the different product concepts.

Skills and Abilities

- 2.1 Develop a new textile product concepts focusing on a specific user categori.
- 2.2 Do product development project in groups.

evaluation ability and approach

- 3.1 Critically analyze and argue for a selected product from the viewpoint of economy, ecology, aesthetics, ergonomics and ethics.
- 3.2 Select and argue for the chosen concept in connection with concept development.

Forms of Teaching

- Lectures
- Tutoring
- Workshops

The language of instruction is English.

Forms of Examination

The course is examined through the following examinations:

Assignment 1 4.5 credits Grading scale: Pass/Fail Goal: 1.1, 1.2, 1.3, 2.1, 2.2, 3.2

Assignment 2 3.0 credits Grading scale: EC Goal: 1.2-1.3, 3.1

Assignment 2 decide the course final grade, if all assignments are passed.

Re-examination by agreement.

Student rights and obligations at examination are in accordance with guidelines and rules for the University of Borås.

Literature and Other Teaching Methods

Literature

EcoDesign roadmap, Conrad Luttrupp, Göran Brohammer (2014), Studentlitteratur ISBN 978-91-44-10100-2
Product Design and Development(4:de),Ulrich, T & Eppinger, S(2007),McGraw-Hill Higher Education

Course literature is in English

Student Influence and Evaluation

The students' opinions are collected systematically and regularly through written course evaluations once the course is completed.

For addition materials, please refer to the University's policy on course evaluation and documents established by the Department Board, the Director of Studies and the Course Director.

Miscellaneous

The course is offered primarily for exchange students and is an optional course for master-level students.

This syllabus is a translation from the Swedish original.