UNIVERSITY OF BORÅS

Textile Innovation
Textil Innovation
7.5 credits

Ladok Code: AT1TE1
Version: 10.0
Established by: Committee for Education in Technology 2017-03-09
Valid from: Autumn 2017

Education Cycle: First cycle
Main Field of Study (Progressive Specialisation): Textile Engineering (G1N)
Disciplinary Domain: Technology
Prerequisites: General requirements for university studies.
Subject Area: Textile Technology
Grading Scale: Fail (U) or Pass (G)

Content
The course covers the field of textile product, ie how a textile product is developed in the context of the design process steps and provides an insight into different textile areas such as technical textiles, functional textiles, smart textiles and industrial textiles. The course focuses on broad textile technical knowledge and sustainability aspects of textile materials, structures and processes, and how these are used in new applications in the textile value chain.

Learning Outcomes
After completing the course students will be able, with respect to:
Knowledge and understanding
1.1 apply broad textile technical knowledge of materials, structures and processes, and use this knowledge in new applications.
1.2 acquire knowledge within the textile value chain.
1.3 understand and explain the sustainability aspects of the technical textile materials, processes and products.
Skills and Abilities
2.1 Implement project work independently or in groups.
2.2 exhibit ideas and solutions in a appropriate format

Evaluation ability and approach
3.1 consider the ethical aspects of the technical textile societal issues.
3.2 reflect the project's relevance and verkanshöjd.

Forms of Teaching
The teaching of the course is a distance course consists of
• lectures that text into digital blocks
• filming section, with comments

The language of instruction is English.

Forms of Examination
Course is examined through the following examination parts:
Assignment 1 (IN1): Written individual assignment, learning objectives: 1.1, 1.2, 1.3, 3.1 Credits: 2.5 credits Grading U / G.
Assignment 2 (IN2): Written assignment in a group or individually, learning objectives: 1.1, 1.2, 1.3, 2.1, 2.2, 3.1, 3.2. Credits: 5.0 credits. Grading U / G
For grade G (pass) on the whole course grade G is required on both assignment 1 and 2.

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

Literature and Other Teaching Materials

Course literature will be announced at the start of the course and will be made available for the students through the e-learning platform.

Student Influence and Evaluation

The course is evaluated in accordance with the current guidelines for course evaluations at the University of Borås, where the students' views should be obtained. Course evaluation report is published, reviewed with the participation and prospective students in accordance with the above guidelines, and is the basis for the future development of courses and training programs. The teacher is responsible for evaluation as described above is implemented.

Miscellaneous

The course is a stand-alone fully distance learning.

This syllabus is a translation from the Swedish original.