UNIVERSITY OF BORÅS

# Weaving Technology, advanced level
## Väveriteknik, avancerad nivå
7.5 credits

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**Ladok Code:** AX2VV1
**Version:** 9.0
**Established by:** Artistic Research and Education Board 2020-03-05
**Valid from:** Autumn 2020

**Education Cycle:** Second cycle
**Main Field of Study (Progressive Specialisation):** Textile and Fashion Design (A1N)
**Disciplinary Domain:** Design
**Prerequisites:** Bachelor's degree in Design, 180 credits, or equivalent.
**Subject Area:** Design
**Grading Scale:** Fail (U) or Pass (G)

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### Content
The course aims to develop artistic ability within weaving through the application and experimental investigation of the expressive and functional opportunities offered by different weaving techniques. The main content of the course is as follows:

- Weaving analyses
- Weaving theory with definitions and design of single and double weaving
- Design and sketch work of selected handlooms and weaving machines
- Experimental weaving
- Pattern production and sample weaving of shaft and jacquard weaving
- Yarn and weaving calculations
- Working methods and ways of thinking in relation to sustainable materials

### Learning Outcomes
After completing the course, students should be able to:

1. analyse and describe the structure, properties, construction and patterning opportunities of different woven fabrics,
2. carry out yarn and weaving calculations for industrial weaving,
3. apply knowledge within weaving theory,
4. carry out and run experimental design work in weaving,
5. apply appropriate techniques and materials in relation to their own design concepts,
6. document and reflect on technology in relation to the design process,
7. demonstrate an understanding of sustainable materials and approaches.

### Forms of Teaching
Tuition consists of lectures, seminars, laboratory work and tutoring.

The language of instruction is English.

### Forms of Examination
The course is examined through the following examination elements:

- Written exam (Learning outcomes 1, 2) 2 credits Grading scale:PASS/FAIL
- Written assignment - (Learning outcomes 3-5) 3 credits Grading scale:PASS/FAIL
- Documented presentation and reflection - (Learning outcomes 4-7) 2,5 credits Grading scale:PASS/FAIL

  For the grade passed on the entire course, an approved grade is required for all parts.

  If the student has received a decision/recommendation regarding special pedagogical support from the University of

Borås due to disability or special needs, the examiner has the right to make accommodations when it comes to examination. The examiner must, based on the objectives of the course syllabus, determine whether the examination can be adapted in accordance with the decision/recommendation.

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

### Literature and Other Teaching Materials

Alderman, Sharon. (2004). *Mastering weave structures: transforming ideas into great cloth.* Loveland, Colo.: Interweave.

### Student Influence and Evaluation

The course is evaluated in accordance with current guidelines for course evaluations at the University of Borås, in which student perspectives are to be collected.
The course evaluation report is published and made available to participating and prospective students in accordance with the above guidelines and forms the basis for the future development of courses and educational programmes. The course coordinator is responsible for ensuring these guidelines are followed.

### Miscellaneous

The course is primarily an elective course for the Master's Programme in Textile and Fashion Design.

The main focus of the course is on the following learning outcomes of the Master's programme: 5a, 6a-b.

This syllabus is a translation from the Swedish original.