

## Product Development and Innovations in the Textile and Clothing Industry Produktutveckling och innovation i textil- och konfektionssektorn

7.5 credits

7.5 högskolepoäng

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**Ladok Code:** 52PU01

**Version:** 2.0

**Established by:** The Teaching Committee 2013-02-20

**Valid from:** Autumn 2011

**Education Cycle:** Second cycle

**Main Field of Study (Progressive Specialisation):** Textile Management (A1N), Industrial Economics (A1N)

**Disciplinary Domain:** Technology

**Prerequisites:** Bachelor's Degree in Textile Technology, Textile Economics and verified knowledge of English corresponding to English B in the Swedish Upper Secondary School or equivalent knowledge.

**Subject Area:** Leadership, Organisation and Management

**Grading Scale:** ECTS-credits

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### Content

Product development process

- The concept of Design Management
- The relationship between the design process and the company's business targets on the basis of demand, markets, customers, ideas and innovations
- Innovation techniques, research and development and technology strategies
- Intelligent textiles and smart clothing
- Interactive and functional textiles
- Intellectual property rights (IPR)

### Learning Outcomes

After completing the course, students should have a knowledge of today's product development and innovation techniques, with emphasis on the textile and clothing industry.

After completing and passing the course, students should be able:

- to participate in design management and develop processes and techniques in the field of textile innovation.
- to implement market, fashion and technology-oriented research and development projects.
- to design intelligent textiles and smart clothing.
- to provide advice on patents, brands and copyright as a means of protecting innovations.

### Forms of Teaching

- Lectures
- Group work
- Project work
- Workshops

### Forms of Examination

The following examinations will form part of this course:

- Workshop: case 1.5 credits Grading scale: EC
- Written report 4.5 credits Grading scale: EC
- Workshop: smart textiles 1.5 credits Grading scale: EC with respect to the stated learning objectives.

The course is assessed using the grades A, B, C, D, E, Fx or F (ECTS grading scale). Grades are based on the weighted average of the examination elements of the course.

Each examination will be offered on 5 occasions, at least 3 of which will be within the space of one year. Offered examination sessions refer to scheduled exams or resits, or the stated date for written or verbal accounts.

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

### **Literature and Other Teaching Materials**

- Product Development and Innovations in the Textile and Clothing Industry, Mattila, H., Finns digitalt
- Beyond Design - the Synergy of Apparel Product Development, Kaiser, S. J. & Garner, M.B.

### **Student Influence and Evaluation**

The views of students will be canvassed systematically and regularly by means of written course assessments once courses are complete. Student representatives will work together with the Director of Studies and the course manager once a term to review courses held. For further information, please see the College's policy on course assessments and documents prepared by the Institutional Board, Director of Studies and course manager.

### **Miscellaneous**

The course is primarily a programme course for a Master's programme in Textile Management.