HÖGSKOLAN I BORÅS

Master programme (Two Year) in textile management with specialisation textile value chain management

Masterutbildning i textilt management med inriktning styrning av textila värdekedjor

120 credits

Ladok Code: TASTE
Version: 4.1
Level: Second cycle
Approved by: The Teaching Committee 2014-02-25
Valid from: Autumn 2014
Valid for:

General Objectives

Second level education shall essentially build on the knowledge that students acquire in first level education or corresponding knowledge. Second level education shall involve a deepening of knowledge, skills and abilities relative to first level education and, in addition to what applies to first level education, shall

- further develop the students' ability to independently integrate and use knowledge,
- develop the students' ability to deal with complex phenomena, issues and situations, and
- develop the students' potential for professional activities that demand considerable independence or for research and development work.

(The Higher Educations Act, Chapter 1, Section 9)

Objectives

The Master of Science programme in textile management with specialisation textile value chains should constitute a national resource while enjoying global desirability. It should enable qualified management or development positions preferably in textile trade and industry, without being limited to these. The programme is specialised towards textile value chain management in which the design process, product development and innovation, logistics and demand chain management, business capability and consumer insight components are paramount to the end result. There should be a strong link with the scientific research within the area and with the textile manager profession, and the student should be stimulated into developing different skills within the textile and fashion area, including enrolling on doctoral studies or starting a business.

Innovative abilities should be encouraged and combined with deep subject proficiency to generate a contribution to entrepreneurship within the field. The programme should provide environmental, resource management, globalisation and ethics awareness.

It is important to perform networking activities while studying and this is bolstered by the School of Textiles' working environment through business-affiliated projects, events, research seminars and participation in scientific conferences.

During the second year the students are expected to carry out their work more independently and responsibly, and by then they should exhibit skills required to participate in research and development and other qualified assignments. The following are particular learning outcomes, from which the student will have acquired relevant knowledge, skills and perspective during the programme, and, in addition, which fulfil the requirements of the Degree Ordinance in the Higher Education Ordinance:

1. Knowledge and comprehension
The programme is designed in order for the graduated student to be able to

<u>For the one-year master's degree</u>
1.1. demonstrate and apply general knowledge about textile processes, methods and applications from a management perspective, the textile value chain with emphasis on product development, logistics, demand-driven flow, resource efficiency, sustainability and quality

1.2. analytically and systematically collect literature and theory within the areas relevant to the major subject area textile management
1.3. analyse and find solutions to organisational problems within (open and closed) textile supply chains
1.4. and apply knowledge within the major subject area in research, development and other activities

For the two-year master's degree
1.1. demonstrate and apply broad knowledge about textile processes, methods and applications from a management perspective, and significantly deepened knowledge concerning the textile value chain with emphasis on product development, logistics, demand-driven flow, resource efficiency, sustainability and quality
1.2. analytically and systematically collect and assimilate literature and theory within the areas relevant to the major subject area textile management
1.3. analyse and find solutions to organisational problems within (open and closed) textile supply chains
1.4. and apply knowledge within the major subject area in research, development and other activities

2. Skill and ability
The student shall demonstrate the ability to

For the one-year master's degree
2.1. integrate knowledge and approach, analyse, evaluate and deal with complex occurrences and situations in conjunction with problems in the textile value chain, even with incomplete information
2.2. independently identify, formulate, plan and execute qualified tasks within given bounds using relevant methods
2.3. collect organisational knowledge and apply it to textile-related development through the creation, analysis and critical evaluation of different textile processes
2.4. design and develop textile processes and systems considering the needs and requirements of people and the societal goals of economical, social and sustainable development
2.5. participate in teamwork and collaborate in groups of different constituency
2.6. clearly account for knowledge, plans and attained results, orally and in writing and
2.7. participate in research- and development work or work in other qualified activities
2.8. plan the development of textile value chains with respect to given performance specifications

For the two-year master's degree
2.1. analytically and systematically integrate knowledge and approach, analyse, evaluate and deal with complex occurrences and situations in conjunction with problems in the textile value chain, even with incomplete information
2.2. independently identify, formulate, plan and execute qualified tasks within given bounds using relevant methods and thereby contribute to the development of Textile Management as a scientific research area, as well as evaluate this work
2.3. rapidly collect organisational knowledge and apply it to textile-related development through the creation, analysis and critical evaluation of different textile processes
2.4 design and develop textile processes and systems considering the needs and requirements of people and the societal goals of economical, social and sustainable development
2.5. participate in teamwork and collaborate in groups of different constituency
2.6. clearly account for knowledge, plans and attained results, orally and in writing in national and international forums
2.7. participate in research- and development work or work in other qualified activities 2.8. plan the development of textile value chains with respect to given performance specifications

**3. Judgment and approach **
The student shall have acquired skills and abilities to function in a societal and organisational context, which includes being able to

For the one-year master's degree
3.1. make assessments with regard to relevant scientific, societal and ethical aspects and displaying an awareness of ethical considerations due in research and development
3.2. show a certain level of insight into the possibilities and limits of science and technology, their roles in society and the responsibility for their use of the people who use
3.3. identify his or her need for more knowledge and assuming responsibility for his or her knowledge development
3.4. investigate demand requirements on distribution systems with regard for social, economical and cultural aspects and values in order to be able to design solutions that encapsulate and correspond to the needs and requirements of the users
3.5. understand and consider the interaction between business and science on the one hand, and society, individual and environment on the other.
3.6. involve oneself with alternative perspectives, value systems and expressional customs, and collaborate and communicate within different competence categories

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Content

Instruction takes place in the form of lectures, exercises, practicals, seminars and project work with individual supervision. The courses at the advanced level are designed to prepare the student for continued education as a researcher as well as for qualified positions in professional life.

The programme is designed in order for the students to develop their scientific understanding of the textile value chain processes and functions, while they apply this understanding analytically and practically to, in an independent fashion, solve specific flow-related problems within, for example, logistics, marketing, branding. This is performed while considering business objectives, environmental and ethical aspects, notwithstanding the enhancement and further development of the interest for qualified management and control of textile and fashion supply.

The below course subjects are part of the programme Textile Management with Specialisation Textile Value Chain Management. The courses represent a practical progression in the subject of the textile value chain, a phenomenon complex in nature throughout the steps of idea, design, and marketing to consumer behaviour and returns management.

The possibility to exit the programme after one year exists and is connected to a one-year master’s degree.

Period 1 (LP1)

The Business of Textiles and Fashion, advanced level (7,5 credits)
The textile and fashion value chain, from the creation of new lines, production strategy to market launch in a branding perspective.
Aims 1.1, 1.3, 2.3, 2.4, 2.5, 2.6, 2.8, 3.3
Alternative course are offered to students that have completed undergraduate studies at the Swedish School of Textiles.

Logistics and demand-driven systems (7,5 credits)
Supply chain management based on logistics and business processes from raw material sources and suppliers via production and treatment to the end customer. Methods and techniques for strategy, control and analysis of supply and demand chains. Approaches for adopting a demand perspective on the operations of textile businesses.
Aims 1.1, 1.2, 1.3, 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.8, 3.2, 3.3, 3.4

Period 2 (LP2)

Product development and innovation (7,5 credits)
Product development and innovation techniques, with focus on the textile and apparel industry. Design management and process and technique development in textile innovation. Design of intelligent textiles and smart apparel. Patents, brands and trademark law as a means to protect innovations.
Aims 1.1, 1.2, 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 3.1, 3.2, 3.3

Textile applications in logistigs and product development (7,5 credits)
The course consists of a series of seminars with invited industry specialists where the theoretical and general approach from the courses Logistics and demand-driven systems and Product development and innovation are taken to a practical level with examples of how ground-breaking innovation and efficient supply chains have been created and have contributed to create competitive advantages.
Aims 1.1, 1.2, 1.3, 1.4, 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8, 3.2, 3.3, 3.4, 3.6

Period 3 (LP3)

Art of business (7,5 credits) Processes for innovation-driven development where design, art and research interact in the identification of models explaining how companies can become successful in a mature market.
Aims 1.1, 1.2, 1.4, 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6

Scientific methodology and communication (7,5 credits)

Deepened scientific approach and employment of scientific methods in investigations and research projects and the communication of these. Appreciation of scientific text, source criticism and referencing. Aims 1.3, 1.4, 2.1, 2.7, 3.1, 3.2, 3.6

Period 4 (LP 4)

Project management and entrepreneurship (7,5 credits)
The organisation and communication of project management. Team formation, especially focussing on collaboration between diciplines. Innovation, patents, design, function, aesthetics and ergonomics. Costing, budgeting and financial planning.
Aims 1.1, 1.2, 1.4, 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8, 3.1, 3.2, 3.3, 3.5, 3.6

Demand forcasting (7,5 credits)
Efterfrågeprognoser (7,5 hp) Subjective and objective forcasting methods, econometrics, assortment and demand functions.
Aims 1.1, 1.2, 1.3, 1.4, 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.8, 3.1, 3.3, 3.5

When exiting the programme after one year with the intention to graduate with a one-year master's degree, courses in period 4 amounting to 15 credits are replaced with a thesis project of 15 credits.
Aims 1.1, 1.2, 1.3, 1.4, 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6

Second year (minor changes between periods and years may occur)

Period 1 (LP1)

Field study (15 hp)
The field study is designed to analyse and deepen problem formulations related to the textile area. It should be carried out in a textile related business or be founded on a textile related problem formulation in collaboration with a business, institution or other external partner and should provide the student with a deepening and application of courses completed within textile management. The specific problem is chosen by the student consulting the business and supervisor and may constitute a pre-study for the thesis project – a qualified period of practical application of the skills and knowledge obtained throughout the master's programme.
Aims 1.1, 1.2, 1.3, 1.4, 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6

Period 2 (LP2)

Management and aesthetics (7,5 credits)
Building brands for fashion and textiles and maintaining and communicating the brand by applying modern graphical design and photography. Aesthethical market and sociological market aspects.
Aims 1.1, 1.2, 1.3, 1.4, 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.8, 3.1, 3.3, 3.4, 3.5, 3.6

Risk and resilience in textile value chains (7,5 credits)
Theory and method for risk and resilience management in supply chains. Technology, market, product, internationalisation and social risks. Prerequisites and tools for sustainable flows, resilience and consistency planning. Assessment and control principles, decision support tools.
Aims 1.1, 1.2, 1.3, 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.8, 3.1, 3.3

Period 3-5 (LP3-4)

Thesis work (30 credits)
The final course of the master's programme, in which acquired knowledge and a scientific and professional approach is employed to conduct a major project with problem solving, analysis and conclusions.
Aims 1.1, 1.2, 1.3, 1.4, 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6

If a student has completed a thesis work of 15 credits for the one-year master's degree, the 30-credit thesis work is replaced with another 15-credit thesis work and 15 credits of courses at the advanced level.

Admission Requirements

Bachelor´s degree in Technology/Engineering, Business Administration, Media or Design, 180 credits, or equivalent.
Verified knowledge of English corresponding to the course *English B* in the Swedish Upper Secondary School
For further information about English language proficiency, please view:
http://www.hb.se/en/International-student/Bachelor--Master-student/Application--Admission/Admission-process/English-language-proficiency/

Degree

Master of Science in Textile Management with specialization Textile Value Chain Management.

Major subject(s):
Textile Mangagement

Degree certificates are issued upon application on a special form. More information is available at www.hb.se.

Student Influence and Evaluation

Faculty programme directors are responsible for finding out the views of students on the course. These views will form the basis for the development of the course. The programme undergoes overall assessment once a year and students' results and views and the structure/implementation of the programme are
reviewed in order to continually improve the programme and keep it up to date.

For individual courses, the teacher responsible for the course is responsible for ensuring that students are invited to put forward their views on the course. The results of these course evaluations will form the basis for the development of the course. Once a term the courses are assessed; the faculty programme director works together with the director of studies and student representatives to review students' views in order to constantly improve the course.

A programme council, where student representatives work together with representatives of teachers and trade and industry, discuss issues relating to current and future education objectives, gives students the opportunity to influence their programme.

For further information, please see the university's policy on course assessments and documents prepared by the director of studies, the course coordinator and the department board.

Miscellaneous

The language of instruction is English.