



Risk and resilience in textile supply chains

Risk och resiliens i textila försörjningskedjor

7.5 credits

Ladok Code: AE2RR1

Version: 1.0

Established by: Committee for Education in Business and Working Life 2023-03-01

Valid from: Autumn 2023

Education Cycle: Second cycle

Main Field of Study (Progressive Specialisation): Textile Management (A1F), Industrial Economics (A1F)

Disciplinary Domain: Social sciences 50%, Technology 50%

Prerequisites: Completed courses within the programme corresponding to 45 higher education credits. In addition, English B or English 6 or equivalent knowledge is required.

Subject Area: Leadership, Organisation and Management

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

Content

- Theories and methods for managing risk and vulnerability in supply chains
- The concept of resilience and its impact on the survival of organisations, and what builds resilience in organisations.
- Basic models and tools for risk management and resilience application in logistics and supply chains
- Decisions based on risk as well as uncertainty
- Preventive security at different levels
- Risk sharing, risk mitigation, and risk transfer
- Risk-driven business models

Learning Outcomes

After completing and passing the course, the student will be able to:

Knowledge and understanding

- 1.1 master the conceptual apparatus for managing and researching risk and resilience for different applications in industrial economics, especially textile management and logistics,
- 1.2 understand theoretical frameworks, methods and current research approaches in risk management and resilience,
- 1.3 understand how risks and vulnerabilities in supply chains and infrastructure can be reduced or eliminated and how to achieve greater robustness and resilience,
- 1.4 analyse and synthesise the theories to strengthen and develop the resilience of supply chains against risks and vulnerabilities, with a focus in textile supply chains,
- 1.5 analyse the complexity of risk management and resilience issues in supply chains, particularly in relation to logistics and textile applications,
- 1.6 describe how the risk profile is affected by various factors such as globalisation, outsourcing, concentration, etc,

Skills and Abilities

- 2.1 use methods for risk and vulnerability analysis of supply chains and customer and supplier relationships,
- 2.2 understand and describe the different requirements for managing risks and vulnerabilities in the supply chain on technical, commercial, logistical and economic grounds,
- 2.3 plan the development of risk management and resilience strategies,

Evaluation ability and approach

3.1 analyse and advise on resilient development and business continuity planning in textile supply chains and organisations,
3.2 communicate the importance of different strategy development in terms of risks and vulnerabilities.

Forms of Teaching

The teaching consists of lectures, supervision, and seminars.

The language of instruction is English.

Forms of Examination

The course will be examined through the following examination elements:

Project work

Learning outcomes: 1.1-1.6, 2.1-2.3, 3.1, 3.2

Credits: 3

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

Individual written examination

Learning outcomes: 1.1-1.6, 2.1-2.3, 3.1, 3.2

Credits: 3.5

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

seminars

Learning outcomes: 1.1-1.6, 2.1-2.3, 3.1, 3.2

Credits: 1

Grading scale: Fail (U) or Pass (G)

The final grade for the course is obtained by averaging the components: Project work (3 credits) and individual written exam (3.5 credits). All components must be passed and completed.

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

Sheffi, Y, (2007) *The Resilient Enterprise Overcoming Vulnerability for Competitive Advantage*. The MIT Press, London.

Waters, D. (2007). *Supply Chain Risk Management: vulnerability and resilience in logistics*. UK, Konan Page

Hollnagel, et al. (2006), *Resilience engineering – concepts and precepts*. Ashgate, Aldershot

Additional course literature and other teaching materials are provided/informed about via the learning platform (max 300 pages).

Reference literature

See separate literature list for reference literature (distributed by the course coordinator).

Student Influence and Evaluation

Students' views are systematically and regularly collected through a written course evaluation at the end of the course. Once a term, student representatives evaluate completed courses together with the Director of Studies and the Faculty programme director. In addition, please see the university's policy for course evaluation as well as documents issued by the department board, Director of Studies, and course coordinator.

Miscellaneous

The course is primarily a programme course for the Master's Programme in Textile Management with a Specialisation in the Management of Textile Value Chains.

This syllabus is a translation from the Swedish original.

