COURSE SYLLABUS

Principles of Sustainable Supply Chain Management, 7.5 credits

Grunderna i hållbar Supply Chain Management, 7.5 högskolepoäng

Course Code:	TSSG15	Education Cycle:	First-cycle level
Confirmed:	Feb 06, 2025	Disciplinary domain:	Technology
Valid From:	Sep 01, 2025	Subject group:	Industrial Engineering and Management
		Specialised in:	First cycle, has only upper-secondary level entry requirements
		Main field of study:	Industrial Engineering and Management

Intended Learning Outcomes (ILO)

On completion of the course the student shall:

Knowledge and understanding

- show familiarity with the basic sustainability concepts and issues within contemporary supply chain management (SCM)
- display knowledge of the importance and need for sustainability research and practice in SCM

Skills and abilities

- demonstrate skills of analyzing global supply chains regarding sustainability
- demonstrate the ability to improve supply chain sustainability with closed loop supply chain designs
- demonstrate the ability to put acquired knowledge regarding sustainable SCM into practice

Judgment and approach

- demonstrate the ability to analyze and formulate sustainable supply chain strategies
- demonstrate the ability to apply an interdisciplinary approach to sustainability in supply chains
- demonstrate the ability to delimit a sustainability problem and understand the consequences of the delimitation.

Content

Sustainability is perhaps the most critical concern of contemporary supply chains. This course introduces the students to the sustainability issues within different areas in supply chain management (SCM).

The course includes the following elements:

- Logistics and Supply Chain Management
- Introduction to Sustainability
- Sustainability and Freight Transport
- Sustainable Warehousing
- Product Design, Cleaner Production, and Packaging
- Sustainable Purchasing and Procurement
- Reverse Logistics and Recycling
- Social and Ethical Sustainability
- Strategic Issues in Sustainable Supply Chain Management

Type of instruction

A combination of lectures, literature and case seminars, and group project will be used.

Language of instruction is in English.

Entry requirements

General entry requirements and Mathematics 3b, English 6 with required grade passed in the Swedish upper secondary school system or international equivalent.

Examination and grades

The course is graded 5, 4, 3 or U.

The course is examined through the Project, Assignments, Seminars and Final Written Exam.

Registration of examination:Name of the TestValueGradingProject3 creditsG/UExamination 13 credits5/4/3/UAssignment 21.5 creditsG/U

¹ Determines the final grade of the course, which is issued only when all course units have been passed.

² Assignment also includes seminars.

Course literature

Please note that changes may be made to the reading list up until eight weeks before the start of the course.

Grant, D. B., Trautrims, A., & Wong, C. Y. (Latest edition). Sustainable logistics and supply chain management?: principles and practices for sustainable operations and management. KoganPage