COURSE SYLLABUS

Principles of Sustainable Supply Chain Management, 7.5 credits

Grunderna i hållbar Supply Chain Management, 7,5 högskolepoäng

Course Code:	TSSG18	**Education Cycle:**	First-cycle level
Confirmed by:	Dean Apr 6, 2018	**Disciplinary domain:**	Technology
Revised by:	Director of Education Jun 1, 2024	**Subject group:**	IE1
Valid From:	Aug 1, 2024	**Specialised in:**	G1N
Version:	4	**Main field of study:**	Industrial Engineering and Management

Intended Learning Outcomes (ILO)

After a successful 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

Judgement 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.

Contents

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.

The teaching is conducted in English.

Prerequisites

General entry requirements and Physics 1, Chemistry 1, Matematics 3c or Physics A, Chemistry A, Matematics D and English 6 or English B (or the equivalent).

Examination and grades

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

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

Registration of examination:

Name of the Test	Value	Grading
Examination[1]	3 credits	5/4/3/U
Project	3 credits	U/G
Assignment[2]	1.5 credits	U/G

[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

The literature list for the course will be provided 8 weeks before the course starts.

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