

# Sustainable Value Chain Strategies

Programme course

6 credits

Hållbara värdekedjor

TEAE18

Valid from: 2021 Spring semester

**Determined by** Board of Studies for Mechanical Engineering and Design

**Date determined** 2020-09-29

# Main field of study

**Industrial Engineering and Management** 

## Course level

Second cycle

## Advancement level

A<sub>1</sub>X

## Course offered for

- Energy Environment Management, M Sc in Engineering
- Industrial Engineering and Management International, M Sc in Engineering
- Industrial Engineering and Management, M Sc in Engineering

## **Entry requirements**

Prior to the start of the course, the examiner/director of studies will verify that participating students have sufficient knowledge, see information under Prerequisites.

## **Prerequisites**

Corporate strategy, Sustainable development



# Intended learning outcomes

The aim of the course is that the students should develop knowledge and understanding about business and management strategies for economic, environmental and social sustainability in the context of value chains. The students will learn to develop strategies, and to apply theories, methods and tools enabling them to systematically analyze value creation and different strategic sustainability challenges and opportunities in the context of the strategic management of value chains, business ecosystems and business relationships. The course also aims to provide an overview of value chains, their actors and interrelationships.

After successful completion of the course, the student should on an advanced level be able to:

- Describe and explain theories on business strategy and value creation relative sustainability in business ecosystems.
- Describe and elaborate on the role and importance of sustainability in the strategic management of firms and value chains.
- Based on theories and models for strategic value chain development, describe and analyze driving forces and barriers for firm sustainability, in business ecosystems and value chains from different stakeholder perspectives.
- Apply relevant theories, methods and tools in order to critically evaluate sustainable value chain strategies for a firm as well as for a value chain.
- Develop structured solutions to identified sustainability challenges with implications for relevant stakeholders, from a strategic management perspective.

#### Course content

The course focuses on a number of key themes. Examples include:

- The value chain concept, including business relationships and network/ecosystem theory
- Value and resource analysis theoretical concepts as well as critical views and limitations of current conceptualizations.
- Strategies, principles and tools for sustainable value chains and networks from a business and management perspective.
- Role and relevance of economic, environmental and social sustainability for contemporary firm strategies and value creation in value chains.
- The role of the firm for value chain sustainability development.
- Sustainable business models.

## Teaching and working methods

Teaching will be in the form of lectures, seminars and project work.



### **Examination**

UPG1	Oral and written examination	3 credits	U, 3, 4, 5
PRA <sub>1</sub>	Project	2 credits	U, 3, 4, 5
UPG2	Seminars	1 credits	U, G

To pass the course students must attend the compulsory seminars, participate in and pass the project, as well as pass the written examinations.

#### Grades

Four-grade scale, LiU, U, 3, 4, 5

### Other information

#### About teaching and examination language

The teaching language is presented in the Overview tab for each course. The examination language relates to the teaching language as follows:

- If teaching language is Swedish, the course as a whole or in large parts, is taught in Swedish. Please note that although teaching language is Swedish, parts of the course could be given in English. Examination language is Swedish.
- If teaching language is Swedish/English, the course as a whole will be taught in English if students without prior knowledge of the Swedish language participate. Examination language is Swedish or English (depending on teaching language).
- If teaching language is English, the course as a whole is taught in English. Examination language is English.

#### Other

The course is conducted in a manner where both men's and women's experience and knowledge are made visible and developed.

The planning and implementation of a course should correspond to the course syllabus. The course evaluation should therefore be conducted with the course syllabus as a starting point.

## Department

Institutionen för ekonomisk och industriell utveckling

## Director of Studies or equivalent

Daniel Ellström



## Examiner

Jakob Rehme

# Course website and other links

http://www.iei.liu.se/indek/utbildning/industriell-ekonomi/teie72?l=sv

# **Education components**

Preliminary scheduled hours: 40 h Recommended self-study hours: 120 h

## Course literature

#### **Articles**

Collection of academic articles

