

Operations Strategy

Programme course

6 credits

Produktionsstrategier

TPMM04

Valid from: 2017 Spring semester

Determined by

Board of Studies for Industrial
Engineering and Logistics

Date determined

2017-01-25

Main field of study

Industrial Engineering and Management

Course level

Second cycle

Advancement level

A1X

Course offered for

- Industrial Engineering and Management, Master's programme

Entry requirements

Note: Admission requirements for non-programme students usually also include admission requirements for the programme and threshold requirements for progression within the programme, or corresponding.

Prerequisites

Basic knowledge in Production and operations management.

Intended learning outcomes

After taking this course, the student should:

- have an understanding of the relationships among business strategy, market strategy, product strategy and operations strategy.
- be able to use the basic concepts and models for operations strategy analysis.
- be able to develop and formulate an operations strategy for different types of industrial firms.

Course content

- Operations strategy: Content and process, relationship to business strategy, market strategy and product strategy.
- Operations-based competitive priorities: Quality, delivery, price, and flexibility.
- Decision categories: Strategic issues and choices regarding capacity, facilities, production process, vertical integration, supply chain, organisation and control systems.
- Global manufacturing: Designing global manufacturing networks. Global perspectives on high-performance manufacturing.
- Performance measurement: Different types of measures for feedback and improvement.
- Sustainability in relation to Operations strategy.
- Operations strategy in practice.

Teaching and working methods

The lectures cover theory, concepts, models and applications. The seminars are used for discussing and analysing case studies.

Examination

UPG1	Assignment	2 credits	U, G
TEN2	Written examination	4 credits	U, 3, 4, 5

Grades

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

Other information

Supplementary courses:

Manufacturing planning and control, Analysing and improving manufacturing operations

Department

Institutionen för ekonomisk och industriell utveckling

Director of Studies or equivalent

Fredrik Persson

Examiner

Veronica Lindström

Education components

Preliminary scheduled hours: 32 h

Recommended self-study hours: 128 h

Course literature

Hill and Hill: Manufacturing Operations Strategy (3:e upplagan), Palgrave.
Artiklar.

Common rules

Regulations (apply to LiU in its entirety)

The university is a government agency whose operations are regulated by legislation and ordinances, which include the Higher Education Act and the Higher Education Ordinance. In addition to legislation and ordinances, operations are subject to several policy documents. The Linköping University rule book collects currently valid decisions of a regulatory nature taken by the university board, the vice-chancellor and faculty/department boards.

LiU's rule book for education at first-cycle and second-cycle levels is available at http://stydokument.liu.se/Regelsamling/Innehall/Utbildning_pa_grund-_och_avancerad_niva.