



ME2065 Operations and Supply Chain Strategy 6.0 credits

Produktion och Supply Chains

This is a translation of the Swedish, legally binding, course syllabus.

Establishment

On 11/04/2019, the Dean of the ITM school has decided to establish this official course syllabus to apply from autumn term 2019 (registration number M-2019-0766).

Grading scale

A, B, C, D, E, FX, F

Education cycle

Second cycle

Main field of study

Industrial Management

Specific prerequisites

Registered participant in ME2501 Perspectives on Industrial Management.

Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

Intended learning outcomes

After passing the course, the student should be able to:

1. Analyse and evaluate how production activities and supply chains can be designed to increase the competitiveness in modern technology companies.
2. Apply relevant concepts and theories such as servicification, digital ecosystems and flexible production, and evaluate implications of their use in the value chain.
3. Critically analyse and discuss supply chains, based on technical, economical, sustainability and organisational perspectives.

Course contents

The industrial production is of crucial importance for the Swedish economy, and during the last decades, the production has been more and more perceived as strategic, as a source for competitive advantages. Management and development of production and supply chains is therefore a central assignment for engineers in all types of industries and social sectors. The lectures are based on current research and development in production and supply chains, which is then connected to case studies and guest lectures. The aim of the course is thus to give students knowledge and tools that are needed for a systematic and scientific method of handling challenges in this field.

The general aim of the course is to provide the participants specialised knowledge about strategic management of industrial activities and supply chains in different types of industry and technology companies. The aim is that the course participants after completion of the course should be well prepared to participate in analysis and implementation of operations strategies and processes from a value chain and ecosystem perspective to achieve long-term competitiveness.

Examination

- TENB - Examination, 5.0 credits, grading scale: A, B, C, D, E, FX, F
- SEM3 - Seminars, 1.0 credits, grading scale: P, F

Based on recommendation from KTH's coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

If the course is discontinued, students may request to be examined during the following two academic years.

Ethical approach

- All members of a group are responsible for the group's work.

- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.