



Course syllabus

Faculty of Technology

Department of Mechanical Engineering

1MT020 Material och produktionsstyrning I, 7,5 högskolepoäng

Material Planning and Production Control I, 7.5 credits

Main field of study

Mechanical Engineering

Subject Group

Mechanical Engineering

Level of classification

First Level

Progression

G1N

Date of Ratification

Approved 2009-12-15

Revised 2018-01-31 by Faculty of Technology. Revision of prerequisites, literature, credit overlap and removal of ECTS-grading scale.

The course syllabus is valid from autumn semester 2018

Prerequisites

General entry requirements.

Objectives

After completing the course the students are expected to be able to demonstrate:

- basic knowledge and understanding of the processes of importance within the material planning and production control area
- insights into economic issues concerning industrial production
- the ability to understand and make simple analyses of various material planning principles
- the ability to understand and make simple analyses of various production control systems

Content

The course comprises the following elements:

- Material planning
- Production control
- Prognostication
- Production management concepts

Type of Instruction

The teaching consists of lectures, exercises and a seminar task.

Examination

The course is assessed with the grades U, 3, 4 or 5.

The assessment of student performances usually takes place during special examination periods and is done by project work and written examination.

Course Evaluation

During the course or in close connection to the course, a course evaluation is to be carried out. The result and analysis of the course evaluation are to be communicated to the students who have taken the course and to the students who are to participate in the course the next time it is offered. The course evaluation is carried out anonymously. The compiled report will be filed at the Faculty.

Credit Overlap

The course cannot be included in a degree along with the following courses of which the content fully, or partly, corresponds to the content of this course: 1MT023

Required Reading and Additional Study Material

Required reading

Mattsson, Stig-Arne, Jonsson, Patrik, Material- och produktionsstyrning, latest edition, 307 pages.

Reference literature

Anders Segerstedt, Logistik med fokus på material- och produktionsstyrning, , Latest edition. 288 pages.