



Course syllabus

Faculty Board of Science and Engineering
School of 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 by Organisational Committee 2009-12-15

The course syllabus is valid from autumn semester 2010

Prerequisites

Physics A, Mathematics C. (Specific entry requirement 12 with the exception of Biology B and Chemistry B)

Expected learning outcomes

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.

On request, students may have their credits translated to ECTS-marks. Such a request must be sent to the examiner before the grading process starts.

The assessment of student performances usually takes place during special examination periods and may take the form of project work, laboratory work, submitted assignments and written examinations. Examinations may be both written and oral.

Course Evaluation

A written course evaluation will be carried out at the end of the course in accordance with the guidelines of the University. The course evaluation will be filed at the department.

Credit Overlap

The course overlaps completely with WM9311

Required Reading and Additional Study Material

Required reading

Anders Segerstedt, *Logistik med fokus på material- och produktionsstyrning*, ISBN 91-47-04390-3, 1999. 183 pages.