



## Industrial Business Economics 2 / Industriell ekonomi 2

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7.5 credits

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**Ladok Code:** 41T10B

**Version:** 2.0

**Established by:** The Teaching Committee 2011-02-25

**Valid from:** Spring 2011

**Education Cycle:** First cycle

**Main Field of Study (Progressive Specialisation):** Industrial Economics (G1F)

**Disciplinary Domain:** Technology

**Prerequisites:** Admitted to Industrial Engineering – Business Engineering.

Recommended prerequisites:

Completed the course Industrial Business Economics I

**Subject Area:** Industrial Engineering and Management

**Grading Scale:** ECTS-credits

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### Content

- General planning strategies, MRP and JIT
- Forecasting
- Deterministic inventory control
- Stochastic inventory control
- Linear programming
- Capacity planning
- Aggregate planning
- Scheduling
- Modeling the time value of money

### Learning Outcomes

After passing the course the students will be able to

- use and understand basic quantitative methods and models in the area of operations management
- understand if, when and how quantitative methods and models are suitable for the management of operations
- describe how quantitative methods and models can be applied in a specific industry

### Forms of Teaching

Lectures, seminars and exercises.

### Forms of Examination

The course will be examined through the following examination elements:

Learning outcomes:

Credits: 1.5

Grading scale: Fail (U) or Pass (G)

*Examination*

Learning outcomes:

Credits: 6

Grading scale: ECTS-credits

Student rights and obligations at examination are in accordance with guidelines and rules for the University of Borås.

### **Literature and Other Teaching Materials**

### **Student Influence and Evaluation**

### **Miscellaneous**