UNIVERSITY OF BORÅS

Industrial Business Economics 2 / Industriell ekonomi 2

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7.5 credits
7.5 högskolepoäng

Ladok Code: 41T10B
Version: 1.0
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

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
Gradingscale: Fail (U) or Pass (G)

Examination

Learning outcomes:
Credits: 6
Gradingscale: 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