



Faculty of Arts and Social Sciences
Business Administration

Syllabus

Course Approval

The syllabus was approved by the Faculty Board of Arts and Social Sciences on 25 August 2014, and is valid from the Spring semester of 2015 at Karlstad University.

Course Code: IEGB01

Operations Management, 3.0 ECTS Credits
(Produktionsekonomi, 3.0 Swedish credit points)

Degree Level: Bachelor

Progressive Specialisation: G1F (First cycle, has less than 60 credits in first-cycle course/s as entry requirements)

Language of Instruction

Swedish

Prerequisites

Admission to the Engineering Master's programme TACBR at Karlstad University and industrial management 30 ECTS cr

Major Field of Study

IEA (Industrial Management)

Learning Outcomes

Knowledge and understanding

Upon completion of the course, students should be able to:

- use quantitative methods in operations management,
- identify problems in operations management,
- demonstrate knowledge of the scientific basis and proven experience in the field, and
- demonstrate theoretical knowledge and familiarity with the terminology in the area of operations management.

Competence and skills

Upon completion of the course, students should be able to:

- apply quantitative calculation methods when required and demonstrate understanding of these in a wider perspective,
- demonstrate familiarity with production, quality and flow of goods and how to manage them,
- critically collect, review and interpret relevant information in the field,
- independently formulate and solve problems within given time limits, and
- give an account of and present their results in discussion with different groups.

Judgement and approach

Upon completion of the course, students should be able to:

- assess information based on the scientific foundation of the field, and
- demonstrate ability to identify their needs for further knowledge and independently seek new knowledge in the field.

Content and Form of Instruction

The course deals with terminology and approaches in the operation management field. The following areas are treated: cost analysis, prognostic methods, quality assurance, time planning, stock management and general requirements planning. Different approaches to solving problems by means of mathematical methods, for instance, are treated.

Instruction is in the form of lectures and a seminar at which groups of students present and defend the results of a their project on a problem in operations management.

Reading List

See separate document.

Examination

Assessment is based on a written exam and a hand-in assignment, presented and defended at a mandatory seminar at which they are also required to review another group's project orally and in writing.

Grades

One of the grades Pass with Distinction (5), Pass not without Distinction (4), Pass (3), or Fail (U) is awarded in the examination of the course.

Quality Assurance

Follow-up relating to learning conditions and goal-fulfilment takes place both during and upon completion of the course in order to ensure continuous improvement. Course assessment is based on student views and experiences as reported in written course evaluations and/or group discussions. Students will be informed of the result of the evaluation and of the measures to be taken.

Course Certificate

A course certificate will be provided upon request.

Additional Information

Students who enrolled before 1 July 2007 will complete their studies in accordance with the requirements of the earlier admission. Upon completion students may request degree and course certificates to be issued under the current ordinance if they meet its requirements.

The local regulations for studies at the Bachelor's and Master's levels at Karlstad University stipulate the obligations and rights of students and staff.

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