



Faculty of Arts and Social Sciences  
Business Administration

## Syllabus

### Operations Management

**Course Code:**

IEGB01

**Course Title:**

Operations Management  
*Produktionsekonomi*

**Credits:**

3

**Degree Level:**

Undergraduate level

**Progressive**

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

**Specialisation:**

**Major Field of Study:**  
IEA (Industrial Management)

**Course Approval**

The syllabus was approved by the Faculty of Arts and Social Sciences 2025-03-06, and is valid from the Autumn semester 2025 at Karlstad University.

**Prerequisites**

30 ECTS credits completed from semesters 1-4 in the Master programme in Industrial Engineering and Management (TACIE), or equivalent

**Learning Outcomes**

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

1. describe strategies of operations management that contribute to sustainable corporate and societal development,
2. account for basic concepts in operations management,
3. identify and analyse problems associated to quality and capacity in the area of operations, and
4. apply quantitative calculation models and mathematical models to operations-related problems.

**Content**

The course introduces and covers fundamental concepts in operations management. It treats models that can be used to identify and analyse problems and challenges in operations. Possible actions and decisions are discussed, considering both long-term and short-term consequences and opportunities, with an emphasis on operational decisions regarding production and distribution.

**Reading List**

See separate document.

**Examination**

Learning outcomes 1-3 are assessed based on a written exam.

Learning outcome 4 is assessed based on a written hand-in assignment completed in groups and presented and discussed in a seminar.

Submissions for assessment must clearly indicate individual contributions.

If students have a decision from Karlstad University entitling them to Targeted Study Support due to a documented disability, the examiner has the right to give such students an adapted examination or to examine them in a different manner.

**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 evaluation is partly based on student views and experiences obtained in accordance with current regulations and partly on other data and documentation. Students will be informed of the result of the evaluation and of any measures to be taken.

**Course Certificate**

A course certificate will be provided upon request.

**Additional information**

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