

# Course Description

Status of the Course Compulsory course of the Industrial Engineering and Management major. Optional course of the Industrial Engineering and Management minor.

Level of the Course Bachelor's level.

Teaching Period Period IV 2022

Workload Lectures 20 h, assignment(s) 55 h, reading the course material 55 h, exam 3h.

Learning Outcomes To develop understanding of concepts and theoretical frameworks that describe, explain and prescribe the design and operation of production systems from strategy to daily operations. Operations management is perceived to cover both intra- and inter-organizational aspects in a global context. Besides providing relevant operations management concepts and theories, the objective is to learn to apply practical application of this knowledge through case studies and other assignments.

Content Operations strategy, service operations, process design and improvement, process choices and production layout, capacity and materials management, global operations, logistics and supply chain management, quality management.

Assessment Methods and Criteria Examination, lectures and literature, assignment(s).

Substitutes for Courses Partly TU-22.1113/1115/1202/1302.

Course Homepage <https://mycourses.aalto.fi/course/search.php?search=TU-C2020>

Prerequisites TU-A1100 Industrial Engineering and Management 1 (5 cr)

Language of Instruction Finnish (all materials in English)

## Course Staff and Contact Information

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