



COURSE SYLLABUS

Leading Sustainable Operations, 7.5 credits

Leading Sustainable Operations, 7,5 högskolepoäng

Course Code: TSOR22	Education Cycle: Second-cycle level
Confirmed by: Dean Mar 1, 2021	Disciplinary domain: Technology
Revised by: Director of Education Dec 21, 2021	Subject group: IE1
Valid From: Jan 1, 2022	Specialised in: A1N
Version: 2	Main field of study: Production Systems

Intended Learning Outcomes (ILO)

After a successful course, the student shall

Knowledge and understanding

- display knowledge of group dynamics and resistance in leading operations through different work processes
- display knowledge of how work processes and disruptions in sustainable operations affect human cognitively and emotionally
- demonstrate comprehension of identifying disturbances in operations as learning potentials in the organization

Skills and abilities

- demonstrate communication skills in leading consensus building processes through involvement, participation, and active engagement in work processes within operations
- demonstrate the ability to use methods and tools in leading meetings and development processes on the group level in operations
- demonstrate the ability to reflect on own and others' behaviour in relation to competence development in work processes

Judgement and approach

- demonstrate the ability to analyze the situation and taking role in leading sustainable operations
- demonstrate an understanding of leading sustainable operations through cross functional and multi-cultural context
- demonstrate an understanding of how feed-back processes, autonomy and involvement influence human motivation and performance for social sustainability

Contents

The course includes theories and methods for leading sustainable operations through interpersonal communication, involvement, group dynamics and awareness of how disturbances in flow can be seen as learning potentials for development in the organization.

- Interpersonal communication
- Motivation and performance
- Competence development in work processes
- Diversity and group dynamics
- Role analysis and conscious communication
- Feed-back, psychological safety and empathy
- Social sustainability in operations management
- Unfreeze in change management
- Situational leadership
- Reactive, responsive, and proactive behavior
- Organizational learning and flow thinking

Type of instruction

Lectures, seminars, and communication training sessions are course activities.

The teaching is conducted in English.

Prerequisites

Passed courses of at least 90 credits within the major subject industrial engineering and management, mechanical engineering, civil engineering, computer engineering (or the equivalent), and 15 credits in mathematics. Proof of English proficiency is required.

Examination and grades

The course is graded 5,4,3 or Fail.

The final grade for the course is based on a balanced set of assessments. The final grade will only be issued after satisfactory completion of all assessments.

Registration of examination:

Name of the Test	Value	Grading
Examination	4.5 credits	5/4/3/U
Course work	3 credits	5/4/3/U

Course literature

The literature list for the course will be provided two months before the course starts.

Title: HBR Manager's Handbook. The 17 skills Leaders Need to Stand Out

Author: Harvard Business Review

Publisher: Harvard Business Review Press, Boston, Massachusetts

ISBN: 9781633691247

Title: Creating Effective Teams: A Guide for Members and Leaders

Author: Susan A Wheelan, Maria Åkerlund, Christian Jacobsson

Publisher: Sagepublishing

ISBN: 9781544332970