



## COURSE SYLLABUS

# Leading Sustainable Operations, 7.5 credits

*Leading Sustainable Operations, 7,5 högskolepoäng*

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<b>Course Code:</b> TSOR22	<b>Education Cycle:</b> Second-cycle level
<b>Confirmed by:</b> Dean Mar 1, 2021	<b>Disciplinary domain:</b> Technology
<b>Revised by:</b> Director of Education Nov 15, 2022	<b>Subject group:</b> IE1
<b>Valid From:</b> Jan 1, 2023	<b>Specialised in:</b> A1N
<b>Version:</b> 3	<b>Main field of study:</b> Production Systems

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### 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 self-awareness, 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.

- Self-awareness
- 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
- 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:

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

### **Course literature**

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

Pittino, D. (2022). *The Concise Leadership Textbook: Essential Knowledge and Skills for Developing Yourself as a Leader. econcise.*