



COURSE SYLLABUS

Introduction to Supply Chain Operations Management, 7.5 credits

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Course Code: TISR21	Education Cycle: Second-cycle level
Confirmed by: Dean Mar 1, 2021	Disciplinary domain: Technology
Revised by: Director of Education Oct 25, 2023	Subject group: IE1
Valid From: Aug 1, 2024	Specialised in: A1N
Version: 4	Main field of study: Production Systems

Intended Learning Outcomes (ILO)

After a successful course, the student shall

Knowledge and understanding

- show familiarity with implications of digitalization and connectivity for supply chain operations management
- display knowledge of the characteristics of operations management and its role in supply chain contexts

Skills and abilities

- demonstrate skills of problem identification, analysis and decision making within supply chain operations management contexts
- demonstrate the ability in speech and writing to clearly report and discuss one's own conclusions and the knowledge and arguments on which they are based
- demonstrate the ability to collaborate effectively in teams

Judgement and approach

- demonstrate the ability to analyse the impact operations has on sustainable development
- demonstrate an understanding of social and ethical issues in supply chain operations management and an awareness of ethical aspects in this research field

Contents

The course introduces the student to supply chain operations management and builds on the 4D-model (Direct, Design, Deliver, Develop).

The course includes:

- Supply chain operations performance
- Supply chain operations strategy and innovation
- Supply chain operations design
- Supply chain operations planning and control

- Supply chain operations development
- Sustainability and sustainable development
- Group dynamics
- Communication processes

Type of instruction

Lectures, seminars, exercises. The course requires active participation and mandatory attendance according to course schedule.

The teaching is conducted in English.

Prerequisites

The applicant must hold the minimum of a bachelor's degree (i.e the equivalent of 180 ECTS credits at an accredited university) in Engineering or Technology. The bachelor's degree should comprise a minimum of 15 credits in mathematics. Proof of English proficiency is required.

Examination and grades

The course is graded Fail (U) or Pass (G).

The final grade will only be issued after satisfactory completion of all assessments.

Registration of examination:

Name of the Test	Value	Grading
Examination	4 credits	U/G
Course work [†]	3.5 credits	U/G

[†] Please note that not all parts of the Course Work 3,5 hp are offered at three occasions per academic year.

Course literature

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

Slack, N., Brandon-Jones, A., & Burgess, N. (2022). Operations Management (10th ed.). Pearson.