



## KURSPLAN

# Introduction to Supply Chain Operations Management, 7,5 högskolepoäng

*Introduction to Supply Chain Operations Management, 7.5 credits*

---

|                        |                            |                           |                   |
|------------------------|----------------------------|---------------------------|-------------------|
| <b>Kurskod:</b>        | TISR21                     | <b>Utbildningsnivå:</b>   | Avancerad nivå    |
| <b>Fastställd av:</b>  | VD 2021-03-01              | <b>Utbildningsområde:</b> | Tekniska området  |
| <b>Reviderad av:</b>   | Utbildningschef 2023-10-25 | <b>Ämnesgrupp:</b>        | IE1               |
| <b>Gäller fr.o.m.:</b> | 2024-08-01                 | <b>Fördjupning:</b>       | A1N               |
| <b>Version:</b>        | 4                          | <b>Huvudområde:</b>       | Produktionssystem |

---

### Lärandemål

After a successful course, the student shall

Kunskap och förståelse

- 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

Färdighet och förmåga

- 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

Värderingsförmåga och förhållningssätt

- 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

### Innehåll

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

### Undervisningsformer

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

Undervisningen bedrivs på engelska.

### Förkunskapskrav

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 och betyg

Kursen bedöms med betygen Underkänd eller Godkänd.

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

Poängregistrering av examinationen för kursen sker enligt följande system:

| Examinationsmoment      | Omfattning | Betyg |
|-------------------------|------------|-------|
| Examination             | 4 hp       | U/G   |
| Kursarbete <sup>1</sup> | 3,5 hp     | U/G   |

<sup>1</sup> Please note that not all parts of the Course Work 3,5 hp are offered at three occasions per academic year.

### Kurslitteratur

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.