



## KURSPLAN

# Deliver: Strategy, Planning and Operations, 7,5 högskolepoäng

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Kurskod:	TDSS22	Utbildningsnivå:	Avancerad nivå
Fastställd av:	VD 2021-03-01	Utbildningsområde:	Tekniska området
Gäller fr.o.m.:	2022-01-01	Ämnesgrupp:	IE1
Version:	1	Fördjupning:	A1F
		Huvudområde:	Produktionssystem

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### Lärandemål

After a successful course, the student shall

Kunskap och förståelse

- display knowledge of implications of digitalisation and connectivity for planning and operation
- demonstrate comprehension of the characteristics of supply chain operations management and its role for planning and operation

Färdighet och förmåga

- demonstrate skills of problem identification, analysis and decision making within planning and operation
- demonstrate the ability to apply different methods and tools relevant for planning and operation
- demonstrate the ability in speech and writing to clearly report and discuss own conclusions and the knowledge and arguments on which they are based
- demonstrate the ability to lead, participate and collaborate effectively in teams toward goals

Värderingsförmåga och förhållningssätt

- demonstrate the ability to critically analyse the impact planning and operation has on economic, social and ecological sustainable development

### Innehåll

The course includes:

- Planning and control
- Capacity management
- Materials management
- Supply chain management

### Undervisningsformer

The teaching is given as lectures and seminars.

Undervisningen bedrivs på engelska.

### **Förkunskapskrav**

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, and completed course Introduction to Supply chain operations management, 7.5 credits. Proof of English proficiency is required.

### **Examination och betyg**

Kursen bedöms med betygen 5, 4, 3 eller Underkänd.

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
Skriftlig tentamen <sup>I</sup>	4 hp	5/4/3/U
Kursarbete	3,5 hp	U/G

<sup>I</sup> Bestämmer kursens slutbetyg vilket utfärdas först när samtliga moment godkänts.

### **Kurslitteratur**

The literature list for the course will be provided 8 weeks before the course starts.

Slack, N. and Brandon-Jones, A. (2019) Operations management, 9th ed., Pearson, Harlow, UK.

Diverse artiklar tillkommer också under kursens gång.