

KURSPLAN

Utformning av försörjningskedjor, 7,5 högskolepoäng

Supply Chain Design, 7.5 credits

Kurskod:	TFKS22	Utbildningsnivå:	Avancerad nivå
Fastställd av:	VD 2021-03-01	Utbildningsområde:	Tekniska området
Reviderad av:	VD 2023-04-01	Ämnesgrupp:	IE1
Gäller fr.o.m.:	2023-08-01	Fördjupning:	A1F
Version:	4		

Lärandemål

After a successful course, the student shall:

Kunskap och förståelse

- demonstrate comprehension of supply chain management and the skills central to manufacturing and humanitarian supply chains
- demonstrate comprehension of the key components of supply chain design, and their contribution to achieving organizational goals
- demonstrate comprehension of the balance between efficiency requirements and the need for renewal in the supply chain
- demonstrate knowledge of performance measurement for supply chains including sustainability aspects

Färdighet och förmåga

- demonstrate the ability to evaluate different strategic options for the supply chain
- demonstrate the ability to operationalize design options in different types of supply chains
- demonstrate the ability to evaluate the effect of coordination on supply chain performance

Värderingsförmåga och förhållningssätt

- demonstrate the ability to evaluate different design alternatives with respect to economic, social and ecological sustainability
- demonstrate the ability to evaluate the performance of different types of supply chains locally as well as globally

Innehåll

The course covers the design and management of manufacturing and humanitarian supply chains, as well as how it can impact and organization's structure and performance. It also covers the relations between in-house operations and the supply network.

The course includes the following elements;

- The relationship between the supply chain and the overall strategy of an organization
- Drivers and processes in the supply chain and performance measurement

- Supply chain management as a holistic concept for improving the performance and coordination of society when crises occur
- Supply chain design; the relation between external and internal supply chains, sourcing and distribution.
- The impact of globalization on the supply chain
- Supply chain coordination and performance
- Process technology and the impact developments in technology have on the effectiveness of operations
- Sustainability in supply chains (economic, social and ecological)

Undervisningsformer

Lectures, seminars, course work.

Undervisningen bedrivs på engelska.

Förkunskapskrav

Kurser omfattande minst 150 hp inom programmet ska vara godkända inklusive genomgångna kurser Logistik, 7,5 hp, Industriella produktionssystem, 7,5 hp samt Industriell marknadsföring och inköp, 7,5 hp (eller motsvarande kunskaper)

Examination och betyg

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

Poängregistrering av examinationen för kursen sker enligt följande system:

Examinationsmoment	Omfattning	Betyg
Tentamen ¹	4,5 hp	5/4/3/U
Inlämningsuppgifter	3 hp	U/G

¹ Bestämmer kursens slutbetyg vilket utfärdas först när samtliga moment godkänts.

Kurslitteratur

Kurslitteraturen fastställs eight veckor innan kursstart.

Title: Supply Chain Management: Strategy, Planning, and Operation (2019), 7th Edition (Global Edition),.

Author: Sunil Chopra.

Publisher: Pearson.