



ME2065 Produktion och Supply Chains 6,0 hp

Operations and Supply Chain Strategy

När kurs inte längre ges har student möjlighet att examineras under ytterligare två läsår.

Fastställande

Kursplan för ME2065 gäller från och med HT10

Betygsskala

A, B, C, D, E, FX, F

Utbildningsnivå

Avancerad nivå

Huvudområden

Industriell ekonomi

Särskild behörighet

ME1001 Industriell ekonomi, grundkurs, eller liknande. Upplýttad till årskurs 3, dvs 120 hp krävs.

Dokumenterade kunskaper i engelska B eller liknande.

Undervisningsspråk

Undervisningsspråk anges i kurstillfällesinformationen i kurs- och programkatalogen.

Lärandemål

The overall aim of the course is to give participants comprehensive knowledge on the strategic management of operations and supply chains in different types of industrial and technology based firms. After passing the course successfully, the student shall be able to analyze industrial systems as well as participate in, improve and lead change efforts in their respective technological areas.

After passing the course, the participant should be able to:

- Describe why and how operations and supply chain can be used to enhance the competitiveness of modern industrial firms.
- Explain basic concepts of the field of operations and supply chain strategy.
- Describe main work responsibilities inherent in practical operations and supply chain management.
- Describe what economic trade-offs and compromises required in operations systems and supply chains, and what tools and models that can be used for such analyses in the pursuit of value creation.
- Describe the philosophy of lean manufacturing, and explain how it is used in practice.
- Describe what possibilities and barriers that may appear in industrial continuous improvement work, and state advantages and drawbacks of different change strategies.
- Perform a general analysis of simple operations and supply chains, aiming at identifying improvement areas from technical, economical and organizational perspectives.

Kursinnehåll

The importance of operations and supply chain management in the modern economy. The role of operations and its relations to other value creating activities in a company and between companies. The historical development of operations and supply chain management, and its different technical and organizational functions. The meaning of productivity and effectiveness. Capital use in manufacturing. automation of manufacturing. Manufacturing functions, work organization and motivation. Enterprise resource planning. Improvement and organizational change work in contemporary operations. The relation between operations and product development work. Service management and operations. Industrial leadership.

Kurslitteratur

Slack, N. & Lewis, M. Operations Strategy. London: Financial Times/Prentice-Hall. 2nd edition or later.

Examination

- TEN1 - Examination, 6,0 hp, betygsskala: A, B, C, D, E, FX, F

Examinator beslutar, baserat på rekommendation från KTH:s handledare av stöd till studenter med funktionsnedsättning, om eventuell anpassad examination för studenter med

dokumenterad, varaktig funktionsnedsättning.

Examinator får medge annan examinationsform vid omexamination av enstaka studenter.

Övriga krav för slutbetyg

Skriftlig examen.

Etiskt förhållningssätt

- Vid grupparbete har alla i gruppen ansvar för gruppens arbete.
- Vid examination ska varje student ärligt redovisa hjälp som erhållits och källor som använts.
- Vid muntlig examination ska varje student kunna redogöra för hela uppgiften och hela lösningen.