



COURSE SYLLABUS

Purchasing and Supply Chain Management, 9 credits

Inköp och försörjningskedjor, 9 högskolepoäng

Course Code: TIFN18	Education Cycle: First-cycle level
Confirmed by: Dean Dec 11, 2017	Disciplinary domain: Technology (95%) and social sciences (5%)
Valid From: Jan 1, 2018	Subject group: IE1
Version: 1	Specialised in: G2F
Reg number: JTH 2018/297-313	Main field of study: Industrial Engineering and Management

Intended Learning Outcomes (ILO)

After a successful course, the student should

Knowledge and understanding

- demonstrate comprehension of purchasing logistics and its role in an industrial setting, including knowledge regarding the basic terminology, methods and models and be familiar with current research
- demonstrate comprehension of the design, planning and management of materials and information flow, with focus on purchasing and logistics

Skills and abilities

- demonstrate the ability to design, plan and manage materials and information flows by making conscious decisions regarding the employed purchasing strategy
- demonstrate the ability to searching, finding, gathering, evaluating and making a critical interpretation of purchasing related information
- demonstrate the ability to independently identify, formulate and analyze purchasing issues
- demonstrate the ability to independently plan, carry out and summarize in a written report a purchasing related analysis
- demonstrate the ability to put acquired knowledge into practice and show an understanding of the purchasing profession

Judgement and approach

- demonstrate the ability to suggest and compare different alternatives for designing, planning and managing materials flow with focus on purchasing while considering the consequences and risks associated with the alternatives
- demonstrate the ability to judge sustainability aspects of purchasing, supplier relations and transportations
- demonstrate the ability to apply an interdisciplinary approach and a systems perspective

Contents

The aim of this course is to give advanced knowledge of logistics from a purchasing and supply chain management perspective. The focus is on the purchasing functions importance for the company result.

The course includes the following elements:

- Purchasing and strategic sourcing
- Supply chain management, Globalization and Incoterms
- Initiate supplier relations: define needs, specify and document
- Assess supplier portfolio, select suppliers
- Prepare negotiations with regard to TCO and cost break-down
- Legal aspects, contracts, delivery and payment terms and contract management
- Supplier relations, Systems for managing supplier relationships (SRM)
- Sustainability and Corporate social responsibility (CSR)
- Purchase orders, performance measurements (KPIs), and supplier evaluation
- Supplier development process
- Terminate supplier relations

Type of instruction

The teaching is given as video-lectures, exercises, assignments and team work

The teaching is conducted in English.

Prerequisites

General entry requirements and completed courses worth 60 credits in first cycle including Production logistics, 9 credits (or the equivalent).

Examination and grades

The course is graded 5,4,3 or Fail.

The course is examined through continuous examination. When all modules are passed, the student receives the grade 3. For higher grades a final written exam is needed. The written exam is however optional.

Registration of examination:

Name of the Test	Value	Grading
Examination	9 credits	5/4/3/U

Other information

The course is designed for online-learning.

Course literature

The literature list for the course will be provided one month before the course starts.

Handouts, articles, TBD