

Supply Chain Management

Subject area: Business/management

University:	TalTech
Level:	BA all years, MA all years
Teaching mode:	Mostly on Zoom with additional possibility to attend TalTech campus at the end of semester (not required for passing the course, but a good bonus).
Instructor(s):	Tarvo Niine

Short description

To introduce supply chain management concepts and related practical challenges on the levels of processes, business models and supply networks. The conceptual and analytical skills are aimed at bridging the viewpoints of logistics, purchasing and CEO levels. A relevant aim is to synthesize functional perspectives into a holistic view of supply chain processes, supply chain performance and total cost management and supplier relationship management.

Full description

https://docs.google.com/document/d/1fgaBtSM_ZLRKYBb6_cf7jMtAoANQYnqw/edit?usp=sharing&oid=116856600936474188817&rtpof=true&sd=true

Learning outcomes

After completing this course the student:

- explains the nature and applications of classical and modern supply chain management, inventory management and purchasing management theories, concepts, models and analytical tools;
- is skilled to analyse practical supply chain environments and processes systematically, identify main managerial challenges of a particular supply chain, analyse the means to overcome bottlenecks, evaluate risks and set both pre-emptive and reactive measures, identify suitable supply chain configuration principles in coherence with business strategy and to set priorities for supply chain performance development initiatives;
- understands demand forecasting challenges, the nature and relevance of bullwhip effect and analyses techniques to improve forecasting accuracy and to gain increased supply chain performance via coordinated planning.

General information

Contact hours per week:	2.5
Total workload:	156 (in student hours for the whole course)
ECTS credits:	6
Language:	English
Course start date:	29 August 2022
Course end date:	22 January 2023
Add. info about start date:	The course shall run 13 weeks (each week 135 min) from last week of January until mid-April. Exam options late April - early May.
Weekly teaching day/time:	There will be a scheduled Zoom meeting each week, 135 min. Time to be decided by university scheduling department. Probably determined in December only.
Time zone:	CET +1 (Estonia, Israel)
Further information:	The course might not be overly value adding for you if you have already passed supply chain related courses. But it is definitely accessible - previously there have been travelling visitors not only from business and engineering areas but also students from IT and even humanities. I guess our course is dedicatedly a diverse course.
Prerequisites:	None. This is a master-level course but I aim it to be accessible also for undergraduates. Note that differently from many supply chain courses in the world, this course is *not* a math course.
Activities and methods:	Seminars, Group work
Presence on campus:	Not required, but a nice little extra to have. Not necessary if this would be the sole purpose of the travel.

Final examination

Form:	The final grade has a lot of small contributions from seminar activities, but there is also a final written exam. Open-book style.
Date:	
Location/format:	online
Re-sit possibility:	yes
Transcript available:	end of semester
Add. info/requirements:	Basically a race against time - many questions, short time to answer. More broad (relating various concepts) than deep (asking about some specific details).

Registration

To register for this course, follow the registration requirements of your **home university** as specified here: www.euroteq.eu/courses-registration.

Administration

Number of places:

Minimum participants:

The course will take place anyway, as there are about 30 students incoming both autumn and spring semesters.

Internal course code:

MMK5260 (the same code has parallel tracks in English as well as in Estonian, don't be confused if you also stumble upon some Estonian language info)

Contact:

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This course is part of the EuroTeQ Engineering University joint course catalogue 2022/2023. This is a collaborative activity of the partner universities DTU, L'X, TU/e, TalTech, CTU, TUM as well as Technion. Students from these universities can participate in the offered courses. It is the responsibility of the student to check if you fulfil the requirements to participate in a specific course. Students are also advised to check with their home institution how to get recognition of the ECTS credits gained in courses of the EuroTeQ course catalogue. For further information about EuroTeQ Engineering University, visit www.euroteq.eu or get in touch with the above-mentioned point of contact.