

Hand-out MSc Seminar on Operations Management

“Resilience in Supply Chains”

Summer term 2023, version: 11 April 2023

Please note: This document reflects our planning before the term started; it will **not** be updated regularly. For short-term changes regarding rooms or times, see Campus. Changes regarding the content will be discussed in class and, if appropriate, communicated via Ilias.

Learning objectives

After successfully finishing the course, students can:

- independently understand an issue from industry;
- put the issue into the context of the operations and supply chain management literature;
- suggest a solution/resolution of the issue and evaluate its effectiveness;
- discuss benefits and limitations of the solution with practitioners;
- give an academic presentation.

Content

The seminar asks students to independently acquire knowledge related to a puzzling issue discovered in an industry setting. The issue has to be understood, summarized, and (re-)solved based on the scientific literature and pertinent knowledge in the field of operations and supply chain management. Students hold a presentation about their understanding and findings.

Issues are presented and discussed by members of the purchasing department of Trumpf, Ditzingen, and are related to complex supply chain behaviour and opportunities to make that behaviour more resilient.

Requirements

Course “Supply Chain Dynamics” or “Behavioural Operations Management” successfully passed.
Understanding German is beneficial.

Timetable

Date, time	Topic	Where?
24/04/2023 14:00–15:30	University kick-off: explanation of procedures and general topic	M17.11
03/05/2023 tbd	Company kick-off: context and research questions	Trumpf, Ditzingen
16/05/2023 – 06/06/2023	Please register on C@mpus for examination	C@mpus-System

22/05/2023 14:00–15:30	Discussion of progress	M17.11
05/06/2023 14:00–15:30	How to write a seminar paper	Video lecture (see Ilias)
19/06/2023 14:00–15:30	Discussion of progress	M17.11
26/06/2023, 14:00–15:30	How to give a seminar presentation	Video lecture (see Ilias)
10/07/2023, 14:00–15:30	Discussion of progress	M17.11
14/07/2023 12:00	Deadline for submitting papers and presentation material on ILIAS	Ilias
tbd	Presentation of seminar papers at company	Trumpf, Ditzingen

Intermediate supervision

During the period of writing the seminar paper and preparing the presentation, advice can be sought with the research associates of the department, Ms. Horn and Mr. Wiesner in KII, 07.005 after making an appointment. It is advised that students use this opportunity two or three times but not more than five times.

Examination

Student assessment is based on a written and an oral examination: seminar paper and seminar presentation. Weight: seminar paper 60%, seminar presentation 40%.

The seminar paper should not be longer than 12 pages (or 15 pages including cover sheet, table of contents, and literature list), font size 12 points, font type Times New Roman, line spacing 1.5, margins 2.5 cm (top and bottom) and 2 cm (left and right). Please provide page numbers. The cover page should include the title of the paper, the student's name, and the matriculation number. Please provide an electronic version (on Ilias) before the presentations (i.e., **deadline: 14 July 2023, 12:00 noon**). About the criteria for a good paper, please check the learning objectives and watch the video lecture "How to write a seminar paper". More information on formal requirements can also be found at <https://www.bwi.uni-stuttgart.de/studium/pdfs/Zitierrichtlinien.pdf>.

The seminar presentation should not be longer than 45 minutes, including time for discussion (duration might be adjusted in case of many participants). Thus, it must focus on the importance and relevance of the topic being discussed, the simulation model employed, the most important findings within the paper, and a criticism and extension of these findings. PowerPoint slides are a possible way to support the talk but other forms (e.g., speech with hand-outs, Prezis, posters, model walk-throughs) are also encouraged but must be organized by the students. Presentation material must be made available to the teachers for assessment. Students must be prepared to answer questions regarding their presentation and paper. For more information, also watch the video lecture "How to give a seminar presentation".