

Hand-out Seminar MSc: Behavioural Operations management

Summer term 2020, version: 19 February 2020

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 a scientific paper;
- summarize and criticize a scientific paper;
- put a scientific paper into context with regard to broader discussions in the field of operations management;
- moderately extend a paper (e.g., by extending a model, adding statistical analyses, or formulating further research questions);
- give an academic presentation.

Content

The seminar asks students to independently acquire knowledge based on a scientific paper. This paper has to be understood, summarized, criticized, extended and put into context. Students hold a presentation about their understanding and findings.

Requirements

One course in the master elective “Operations Management” successfully passed.

Literature

Students are requested to choose one scientific article from the following list, on which their seminar paper and presentation will be based:

THEME 1: Application of mathematical modelling of social preferences in operations management

1. Fehr, E., & Schmidt, K. M. (1999). A theory of fairness, competition and cooperation. *Quarterly Journal of Economics*, **114**(3), 817-868.
2. Andreoni, J., & Miller, J. (2000). Giving according to GARP: An experimental test of the consistency of preferences for altruism. *Econometrica*, **70**(3), 737-753.
3. Bolton, G E. (2000). ERC: A theory of equity, reciprocity, and competition. *American Economic Review*, **90**(1), 166-193.
4. Dufwenberg, M., & Kirchsteiger, G. (2004). A theory of sequential reciprocity. *Games and Economic Behavior*, **47**(2), 268-298.

- Falk, A., & Fischbacher, U. (2006). A theory of reciprocity. *Games and Economic Behavior*, **54**(2), 293-315.

THEME 2: Individual differences in supply chain inventory decision making

- Weinhardt, J. M., Hendijani, R., Harman, J. L., Steel, P., & Gonzalez, C. (2015). How analytic reasoning style and global thinking relate to understanding stocks and flows. *Journal of Operations Management*, **39**, 23-30.
- Moritz, B. B., Hill, A. V., & Donohue, K. L. (2013). Individual differences in the newsvendor problem: Behavior and cognitive reflection. *Journal of Operations Management*, **31**(1-2), 72-85.
- De Vericourt, F., Jain, K., Bearden, J. N., & Filipowicz, A. (2013). Sex, risk and the newsvendor. *Journal of Operations Management*, **31**(1-2), 86-92.
- Haines, R., Hough, J., & Haines, D. (2017). A metacognitive perspective on decision making in supply chains: Revisiting the behavioral causes of the bullwhip effect. *International Journal of Production Economics*, **184**, 7-20.
- Narayanan, A., & Moritz, B. B. (2015). Decision making and cognition in multi-echelon supply chains: An experimental study. *Production and Operations Management*, **24**(8), 1216-1234.

Timetable

Date, time	Topic	Where?
20/04/2020, 09:45–11:15	Kick-off: explanation of procedures and topics	Online
04/05/2020, 14:00–15:30	Organized peer-review of table of contents	Online
06/05/2020 – 28/05/2020	Please register on C@mpus for examination	C@mpus-System
11/05/2020, 14:00–15:30	How to write a seminar paper	Online
25/05/2020 09:45–13:00	Intermediate oral presentation & discussion: outline, progress, questions	Online
01/06/2020, 14:00–15:30	How to give a seminar presentation	Online
15/06/2020, 14:00–15:30	Organized peer-reviews of papers	Online
22/06/2020, 14:00–15:30	Organized peer-review of presentations	Online
25/06/2020 12:00	Deadline for submitting papers and presentation material on ILIAS	Ilias-group
26/06/2020, 09:45–17:15	Presentation of seminar papers	Online

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, Mr Brauch and Mr Đula in KII, 07.005, Tuesdays and Wednesdays 10:00–12:00. 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 matriculation number. Please provide an electronic (on Ilias) as well as a paper version before the presentations (i.e., deadline: 25 June 2020, 12:00). With regard to the criteria for a good paper, please check the learning objectives. A structure with more than five sections or more than two levels of sub-sections is not useful for a seminar paper. More information on formal requirements can be found at <https://www.bwi.uni-stuttgart.de/studium/pdfs/Zitierrichtlinien.pdf>.

The seminar presentation should not be longer than 30 minutes. Thus, it must focus on the importance and relevance of the topic being discussed, 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, Pecha-Kuchas, 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 should be prepared to answer questions regarding their presentation and paper.