

# Behavioral Supply Chain Management

Updated on January 8, 2024

## 1 Course description

The course in Behavioral Supply Chain Management aims to provide students with an understanding of systematic deviations from standard economic theory and the theories that conceptualize these deviations. The course will also teach students how to conduct experiments to draw causal inferences.

The course has three main goals. First, students will learn about the systematic deviations from standard economic theory and how these deviations impact supply chain decision-making. Second, students will study the theories that conceptualize these deviations, including behavioral economics and psychological aspects. Third, students will develop skills in designing and conducting experiments to draw causal inferences, which will enable them to test hypotheses and evaluate the effectiveness of interventions.

By the end of the course, students will be able to critically evaluate supply chain decision-making in light of behavioral theories, design and conduct experiments to test hypotheses, and develop strategies to improve supply chain performance by accounting for behavioral factors.

## 2 Administration

<b>Class times</b>	Monday, 16:00-17:30 (HS XXV) Wednesday, 10:00-11:30 (HS XXV) Thursday, 14:00-15:30 (HS XXV)
<b>Faculty</b>	Nicolas Fugger Mail: fugger@wiso.uni-koeln.de
<b>Teaching assistant</b>	Dylan Gellert Mail: dylan.gellert@uni-koeln.de
<b>Secretary</b>	Stephanie Rauscher Mail: rauscher@wiso.uni-koeln.de
<b>Assignments</b>	There are regular homework assignments. Students can earn up to five bonus points by uploading complete solutions to Ilias on time. Bonus points improve the exam grade.
<b>Grading</b>	Exam (75%) and project (25%)
<b>Exam</b>	XXX
<b>Project Deadline</b>	XXX
<b>Handouts</b>	Handouts will be available for download on Ilias.
<b>Language</b>	English
<b>Prerequisites</b>	Basic knowledge of game theory and interest in behavioral topics and experimental methods.

## 3 Assignments

To be eligible for bonus points, it is necessary to upload your complete solutions on time to the Ilias platform. By uploading your solutions, you also agree to present them. If selected, bonus points will only be awarded if you present your solutions. Collaborative efforts are allowed, with groups of up to three members permitted to work together. However, each student is required to upload their individual solution. It is recommended that solutions are presented in the form of slides, which should be uploaded as a PDF file. If you are unable to present on the scheduled date, you have the option to submit a pre-recorded video of your solution presentation.

## 4 Course agenda

Figure 1: Calendar

	Monday	Tuesday	Wednesday	Thursday	Friday
June	3	4	5	6	7
	<b>Session 1:</b> Welcome		<b>Session 2:</b> Kick-Off Project	<b>Session 3a: YouTube</b> Introduction  <b>Session 3b: YouTube</b> Heuristics, Biases and Mistakes	
	10	11	12	13	14
	<b>Session 4: YouTube</b> Experimental Methods		<b>Session 5:</b> Heuristics, Biases, and Mistakes	<b>Session 6: YouTube</b> Decisions Under Risk	
	17	18	19	20	21
	<b>Session 7:</b> Guest Lecture		<b>Session 8:</b> Decisions Under Risk	<b>Session 9: YouTube</b> Social Preferences	
24	25	26	27	28	
<b>Session 10:</b> Project		<b>Session 11:</b> Social Preferences	<b>Session 12:</b> Project		
July	1	2	3	4	5
	<b>Session 13:</b> Problem Class		<b>Session 14:</b> How to Summarize a Research Article	<b>Session 15:</b> Project	
	8	9	10	11	12
	<b>Session 16:</b> Problem Class		<b>Session 17:</b> Discussion Research Article	<b>Session 18:</b> Ethics of Experimentation	
	15	16	17	18	19
<b>Session 19:</b> Problem Class		<b>Session 20:</b> Wrap-up, Q&A			