

Module 687 Supply Chain and Risk Management

1	Module number 687	Study program WNB	Semester 6	Offered in <input checked="" type="checkbox"/> WS <input checked="" type="checkbox"/> SS	Duration 1 semester	Module type Compulsory	Workload (h) 150	ECTS points 5
2	Courses a) Supply Chain Management b) Risk Management		Teaching and learning form Lecture Lecture & Exercises		Contact time (SWS) (h) 2 30 2 30		Self-study (h) 90	Language English
3	Learning outcomes and competences After successfully completing the module, students can... Knowledge and understanding <ul style="list-style-type: none"> the basics in the area of supply chain management. the basics of risk management. Use, application and generation of knowledge <i>Use and transfer</i> <ul style="list-style-type: none"> Apply knowledge of supply chain management to current problems. Apply knowledge of risk management to current problems. <i>Scientific innovation</i> Communication and cooperation <ul style="list-style-type: none"> Present and discuss topics and concepts of supply chain management. Practically apply risk management concepts. Scientific self-conception/professionalism <ul style="list-style-type: none"> 							
4	Content a) Supply chain management: <ul style="list-style-type: none"> Supply chain concepts, target variables and solution approaches Bullwhip effect, beer game Organization and cooperation in networks International standards (legal, IT, technology, SCOR model) Sustainability aspects in supply chain management Data exchange and supply chain software (potentials and limits), data carriers, data formats and data acquisition Big data and AI in SCM b) Risk management: <ul style="list-style-type: none"> Practical case studies of risk management Sustainability and environmental risks Supply chain resilience Software tools (DHL 360 etc.) 							
5	Participation requirements obligatory: none recommended: 677 Operations, 686 Procurement							

6	Forms of examination and requirements for awarding credit points a) Study Project [graded] b) Study Project [graded]
7	Further use of the module
8	Module manager and full-time lecturer Prof. Dr. Hannes Winkler
9	Literature <ul style="list-style-type: none"> • Script • Knut Alicke: „Planung und Betrieb von Logistiknetzwerken: Unternehmensübergreifendes Supply Chain Management“, 2006 • Sunil Chopra, Peter Meindl: „Supply Chain Management: Strategie, Planung und Umsetzung“, 2014 • Donald Waters: „Supply Chain Risk Management: Vulnerability and Resilience in Logistics“, 2011
10	Last updated 07.02.2025