wir885 - Operations and Supply Chain Management

Module label: Operations and Supply Chain Management
Module code: wir885
Credit points: 6.0 KP
Workload: 180 h

Used in course of study:
- Master's Programme Business Administration, Economics and Law > Schwerpunkt "Führung von Unternehmen und gesellschaftliche Organisationen" (FUGO)
- Master's Programme Business Informatics > Module der Wirtschafts- und Rechtswissenschaften (Master)

Contact person:
- Module responsibility
  - Christian Busse
- Authorized examiners
  - Die im Modul Lehrenden

Entry requirements:

Skills to be acquired in this module:
The lecture pertaining to the module focuses on the development and critical discussion of formal analytical models for modelling and optimizing problems in operations and supply chain management. The aim is to provide students with the skills they need to analyze value-added processes in reality and not only to understand them, but ideally also improve them. The accompanying seminar, held in English, serves to deepen and critically examine the topics from the lecture. Supplementary to the lecture, the seminar deals with conceptual and empirical research and cases. Hereby, students get to know scientific discourses on practically relevant issues that are difficult to model. Furthermore, there will be ample training in scientific work, in teamwork and in presentations in front of large groups.

Module contents:
- Introduction to Operations Management
- Demand Forecasting
- Location Planning
- Process Design
- Inventory Management
- Production Planning
- Scheduling
- Supply Chain Management
- Revenue Management
- Behavioral Operations Management

Reader's advisory:

Links:
- Languages of instruction: German, English
- Duration (semesters): 1 Semester
- Module frequency
- Module capacity: unlimited
- Reference text: The module takes place in the winter semester. Please refer to the syllabus available via Stud.IP for a more detailed description of content and procedure.
- Modullevel: SPM (Schwerpunktmodul / Main emphasis)
- Modulart: Wahlpflicht / Elective

Vorkenntnisse / Previous knowledge

Examination:

Final exam of module:
- Time of examination: Portfolio, likely consisting of short test and short presentation

Course type
- Lecture: Comment: 2.00
  - Time of examination: SWS: SuSe and WiSe: 28 h
- Seminar or exercise: Comment: 2.00
  - Time of examination: SWS: SuSe and WiSe: 28 h

Total time of attendance for the module:
- Total time of attendance: 56 h