

Supply Chain and Operations Management (SCOM)



Univ.-Prof. Sebastian Kummer
Univ.-Prof. Gerald Reiner
Univ.-Prof. Alfred Taudes
Dr. Hans Joachim Schramm



Supply Chain and Operations Management (SCOM)

- SCOM is a joint offer by the Institute of Transport and Logistics Management (ITL) and the Institute for Production Management (PM)



- SCOM covers all topics related to Supply Chain and Operations Management. These include, among many others, materials procurement, manufacturing of products and the distribution to the customers.



- For more details see: <https://short.wu.ac.at/SCOM>

Program Structure

All courses are offered each semester!

Course 1: Operations Management (PI)

Course 2: Supply Chain Management (VUE)

Course 3: Supply Chain Modelling and Design (PI)

mandatory
courses

Course 4: Special Topics (PI)

International Supply Chain Operations

Service Operations Management

Supply Chain Planning

Course 5: Seminar (FS)

Seminar 1

Seminar 2

Seminar 3

Seminar 4

elective
courses

Bachelor Thesis

All courses are offered each semester!

Course 1: Operational Production Management (PI, obligatory course)

Assoz.Prof PD Dr.
Emel Arikan Fichtinger

The course provides an introduction to operational management in production industries.

The basics of inventory and quality management, and supply chain planning are introduced.

Course 2: Supply Chain Management (VUE, obligatory course)

Univ. Prof. Sebastian Kummer,
Muhammad Azmat Ph.D.

In this course, the essence of supply chain management in success of a business is emphasised, and it aims to provide the students a good understanding of developing and managing supply chains in line with the needs of the business.

All courses are offered each semester!

**Course 3: Supply Chain
Modelling and Design
(PI, obligatory course)**

N.N.

After successfully passing this course, students should be able to know and apply the models and theories of network design in supply chains. Furthermore, they should be able to develop and validate optimization models that allow them to compare different network design configurations and to find the optimal network design for a given situation.

**Course 4: International
Supply Chain Operations
(PI, elective course)**

Dipl.-Vw. Dr. Hans-Joachim Schramm

At the end of this course, students should have a basic knowledge about actual trade practice, including contracting, customs, documentary paperwork, transport management as well as security, compliance and risk management issues. This should enable them to plan successfully shipping and handling for international goods movements.

All courses are offered each semester!

**Course 4:
Service Operations Management
(PI, elective course)**

o.Univ.Prof. Dr. Alfred Taudes,
Jakob Hackel, MSc.

This course deals with the production and delivery of services. Services differ from physical goods. They typically are intangible and are not storable, not transportable and highly variable. These characteristics pose special problems when managing the operations of service operations. This course covers a mix of topics with an emphasis on simple quantitative methods and strategic frameworks.

**Course 4:
Supply Chain Planning
(PI, elective course)**

Adhurim Imeri MSc (WU)

This course covers three planning hierarchies: tactical and operational planning problems in inventory management, and strategic network planning. It focuses on identifying problem types and finding the most relevant information in the problems in order to formulate the problems to assist decision-making. Students are exposed to concepts and models important in inventory planning with emphasis on key trade-offs and phenomena.

All courses are offered each semester!

Course 5:

**Seminar 1: Supply Chain
Management in International
Context (FS)**

Dipl.-Vw. Dr. Hans-Joachim Schramm,
Miguel Suarez Vasquez, MSc, MBA, PhD

Course 5:

**Seminar 2: Research Seminar
in Operations Management**

Univ. Prof. Mag. Dr. Gerald Reiner,
Assoz.Prof PD Dr. Emel Arikan Fichtinger,
Assist. Prof. Dipl.-Ing. Lena Silbermayr, PhD,
Dr. Stefan Treitl

Master of Science (MSc)

Supply Chain Management



Europe QS Masters
in Supply Chain
Management
Ranking in 2022



Global QS Masters
in Supply Chain
Management
Ranking in 2022

THE PROGRAM

- › The two-year, full time program is taught entirely in English.
- › Three different WU departments cooperate closely in this trans-disciplinary program.
- › Excellent connections to industry experts: lectures/workshops, discussions on recent SCM issues, Master's thesis topics, etc.

MAIN EMPHASIS

- › analyzing and managing supply chains for focal companies (manufacturers/suppliers, shippers/carriers, retailers)
- › designing and analyzing supply chain processes and the related information and financial flows
- › managing and coordinating global supply chains
- › measuring, evaluating and controlling the quality of supply chain processes

Apply online! Rolling admission for the academic year starts September 1st, with the following three priority deadlines:

- › October 8th
- › January 8th
- › March 8th

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