

# Strategic Decision-Making in Global Production Networks

through Optimization and Simulation in Summer Semester 2026

## General information

- aka *Strategic Decision-Making in Global Production Network Design*
- In cooperation with consulting company EFESO
- Apply content of the lecture Global Production
- Practical application of the methods/implementation with Python
- Presentation training
- Development of several case studies over the semester in groups from 2-4 persons
- Limited capacity: 10-20 participants
- Regular inputs and consultation hours
- 4 ECTS

## Course content

- Consolidation and practical application of the content from GP
- Optimization of a production network
- Simulation of a production system

## Organizational

- Workload
  - presence appointments: ~30 h
  - self-study time: ~90 h
- Registration
  - Deadline: 10.04.2026 23:55
  - <https://portal.wiwi.kit.edu/ys/9068>

## Examination

- Evaluation of the interim presentations
- Results and project work
- Final presentation

## Contact

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## Summer Semester 2026!

Preliminary schedule (to be confirmed soon)

- 21.04.2026: 15:45 - 19:00 (Kickoff and Chapter 1) – Introduction
- 28.04.2026: 15:45 - 17:15 (Chapter 2) – Application and Consulting Basics
- 05.05.2026: 15:45 - 19:00 (Chapter 3/4) – Optimization & Data Analytics
- 12.05.2026: 15:45 - 17:15 (Chapter 5) – Simulation
- 19.05.2026: 15:45 - 17:45 (Interim Presentation 1)
- 02.06.2026: 15:45 - 17:15 (Chapter 6) – Simulation Based Optimization
- 11.06.2026: 15:45 - 17:45 (Consultation)
- 16.06.2026: 15:45 - 17:45 (Interim Presentation 2)
- 25.06.2026: 15:45 - 17:15 (Chapter 7) – Extensions
- 30.06.2025: 15:45 - 17:15 (Consultation)
- 07.07.2026: 15:45 - 17:45 (Consultation)
- 20.07.2026: 08:00 - 19:00 (Final Presentation at EFESO in Munich)

## Contact

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