

# Production Management | Summer Term 2026

Wednesday, 11:30 – 13:00, Auditorium Maximum, Technical University of Munich

Prof. Martin Grunow

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Date	Topic	Chapter
1. 15.04.2026	Introduction Planning Levels	1, 2.1,
2. 22.04.2026	Networks Plant Locations Design of Production Systems - Production Types	2.2.1 2.2.2, 3.1
TUT 1: 22.04. – 29.04.2026	Production Networks and Plant Locations	
3. 29.04.2026	<b>No class</b> - TUM Sustainability Day	
4. 06.05.2026	Design of Production Systems - Job Shop - Flow Shop	3.2, 3.3.1
TUT 2: 06.05. – 13.05.2026	Job Shops and Flow Lines	
5. 13.05.2026	Design of Production Systems - Mixed Model Flow Lines - Cellular Manufacturing	3.3.2, 3.4
TUT 3: 13.05. – 20.05.2026	Mixed Model Flow Lines and Cellular Manufacturing	
6. 20.05.2026	Demand Forecasting	4
TUT 4: 20.05. – 27.05.2026	Demand Forecasting	
7. 27.05.2026	Master Production Scheduling - Mass Production	5, 5.1
TUT 5: 27.05. – 03.06.2026	Master Production Scheduling in Mass Production	
8. 03.06.2026	Master Production Scheduling - Batch Production - One-of-a-Kind	5.2, 5.3
TUT 6: 03.06. – 10.06.2026	Master Production Scheduling in Batch Production	
9. 10.06.2026	Material Requirements Planning	6
TUT 7: 10.06. – 17.06.2026	Master Production Scheduling in One-of-a-Kind Production	

Date of Online Publication	Topic	Chapter
10. 17.06.2026	Lot Sizing and Scheduling - Job Shop Lot Sizes	7.1
TUT 8: 17.06. - 24.06.2026	Material Requirements Planning	
11. 24.06.2026	Lot Sizing and Scheduling - Job Shop Lot Sizes (sequel)	7.1
TUT 9: 24.06. - 01.07.2026	Lot Sizing	
12. 01.07.2026	Lot Sizing and Scheduling - Machine Scheduling - Flow Shop Scheduling	7.2
TUT 10: 01.07. - 08.07.2026	Sequencing and Scheduling	
13. 08.07.2026	Mock Exam, Discussion of Evaluation Results	
TUT 11: 08.07. - 15.07.2026	Q&A	

Lectures will be recorded and uploaded (upload delay due to video processing).

## Literature

The lecture notes are based on

- Günther, Hans-Otto and Tempelmeier, Horst:  
Supply Chain Analytics, 13<sup>th</sup> Edition, Norderstedt, BoD - Books on Demand, 2021
- Günther, Hans-Otto and Tempelmeier, Horst:  
Übungsbuch Produktion und Logistik, 9<sup>th</sup> Edition, Norderstedt, BoD - Books on Demand, 2017

## Tutorials (Registration via TUMonline necessary!)

Weekly slots, start date: 22.04.2026

Registration: from 13.05.2026 via TUMonline

**Note on Bavarian Public Holidays:** The following public holidays fall within tutorial weeks. Affected tutorial groups will not meet on these days:

01.05.2026 (Friday) – Labour Day

14.05.2026 (Thursday) – Ascension Day

25.05.2026 (Monday) – Whit Monday

04.06.2026 (Thursday) – Corpus Christ

All tutorials are held in English. Exercise sheets will be published via [Moodle](#) on Wednesdays at 08:00. The “tutorial week” starts on Wednesdays after the lecture finishes at 13:00 (i.e., Übung starts on Wednesdays at 13:15 with the topic corresponding to this lecture). There are 22 different tutorials offered during the week:

Weekday	Time	Room	Group Nr.
Monday	08:00 - 09:30	Z538 (0505.Z1.538Z) & 0514	1
Monday	09:45 - 11:15	Z538 (0505.Z1.538Z)	10
Monday	11:30 - 13:00	1503 (0505.01.503)	11
Monday	15:00 - 16:30	1503 (0505.01.503)	12
Monday	16:45 - 18:15	0514 (0505.EG.514)	13
Tuesday	08:00 - 09:30	1503 (0505.01.503)	14
Tuesday	09:45 - 11:15	0514 (0505.EG.514)	15
Tuesday	15:00 - 16:30	1503 (0505.01.503)	16
Tuesday	16:45 - 18:15	0514 (0505.EG.514)	17
Tuesday	18:30 - 20:00	Z538 (0505.Z1.538Z) & 0514	18
Wednesday	08:00 - 09:30	0514 (0505.EG.514)	19
Wednesday	13:15 - 14:45	Z538 (0505.Z1.538Z)	Übung
Wednesday	15:00 - 16:30	Z538 (0505.Z1.538Z)	Übung
Wednesday	16:45 - 18:15	1503 (0505.01.503)	2
Wednesday	18:30 - 20:00	Z538 (0505.Z1.538Z)	3
Thursday	09:45 - 11:15	0540 (0505.EG.540)	20
Thursday	11:30 - 13:00	0540 (0505.EG.540)	21
Thursday	13:15 - 14:45	0514 (0505.EG.514)	22
Thursday	15:00 - 16:30	0514 (0505.EG.514)	4
Thursday	16:45 - 18:15	0514 (0505.EG.514)	5
Friday	08:00 - 09:30	0540 (0505.EG.540)	6
Friday	09:45 - 11:15	Z538 (0505.Z1.538Z)	7
Friday	11:30 - 13:00	0540 (0505.EG.540)	8
Friday	13:15 - 14:45	2100 (0501.02.100)	9

## Online self-assessment (not graded)

To support you in revising the class content and in preparing for the exam, we will upload weekly self-assessment questions on Moodle. Working on them is not mandatory but highly recommended to deepen your understanding and to best prepare you for the exam.

The self-assessment questions will be published after the lecture on Wednesdays at 13:00. The number of attempts per self-assessment is not limited.

The self-assessment questions are for voluntary self-study only and will not be discussed in any lectures or tutorials. After taking a self-assessment, Moodle will show you the correct answer; there will be no further explanations of the solution. The self-assessments are not linked to any bonus in the exam.

## **Exam**

All topics covered in the lecture are relevant to the exam. The literature cited is intended for additional self-study and exam preparation. Allowed aid is a non-programmable calculator.

Preliminary Date of Exam: Friday, 07 August 2026, 8:00-10:00