

Prof. Dr.-Ing. Bernd Noche

Course Syllabus

Warehouse Logistics

WiSe 2018/2019

Fakultät für Ingenieurwissenschaften
Abteilung Maschinenbau
Transportsysteme und -logistik
Keetmanstraße 3-9
47058 Duisburg

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Telefax: 0203 379-3048
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Course Facts

- Course: Lagerlogistik (Logistik und Materialfluss) / Warehouse Logistics (Logistics and Material flow)
- Semester: Winter, 3 SWS
- Duration: 1 Semester
- Classes day: Monday
- Classes time: 04:30 p.m. – 06:00 p.m.
- Room: MD 162
- Interval: weekly
 - Check regularly <http://www.uni-due.de/tul/> → “Kurznachrichten“ and
 - under <http://moodle.uni-due.de> – Lagerlogistik (WiSe18/19) – Nachrichtenforum informieren
- Practice in lecture integrated
- First lecture: 10/08/2018
- Last lecture: 01/28/2019
- No lecture: 12/21/2018 – 01/02/2019 – Christmas holidays

Lecture Team

Professor

- Prof. Dr.-Ing. Bernd Noche

Office: Campus Duisburg - Building SK - Room 215

Phone: +49 203 379-7049

E-mail: bernd.noche@uni-due.de

Consultation hours: appointment with the scientific assistant Mrs. Frank(Registration: petra.frank@uni-due.de)



Scientific associates

- Dr.-Ing. Alexander Goudz

Office : Campus Duisburg - Building SK - Room 212

Phone: +49 203 379-7047

E-mail: alexander.goudz@uni-due.de

Consultation hours : flexibel (by appointment!)

Experiences: Supply Chain Management, Inventory planning and control, Vehicle routing and scheduling, Transportation and logistic system analysis.



Study material

Instructional material (german/english)

- Department's website: <http://www.uni-due.de/tul/> → "Downloads" → "Prof. Dr.-Ing. Bernd Noche" → "Warehouse Logistics" → "WiSe 2018/2019 "
 - User name: Download
 - Passwort: tulwise
- Moodle-Plattform under <http://www.moodle.uni-due.de> → Lagerlogistik WiSe 18/19
 - Registration key: tulwise

Note: Please bring additional material (tables, etc.) to class lectures!

Grading

Performance on the course will be assessed with:

- 100 %
- Exam date: 02/04/2019
- Homework (additional to resulting note of final exam)
- + 1,0
- + 0,7
- + 0,3

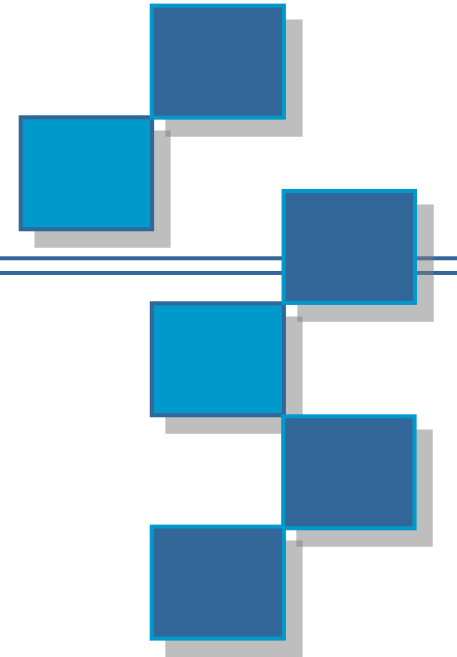
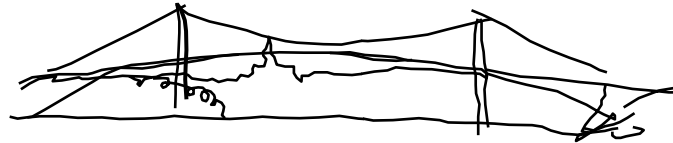
Note 1: Points of homework can only be granted after passing final exam!

Note 2: Homework, due date: 02/03/2019

Lecture Topics

Topics (German/English)

- Knowledge module logistic strategies
- ABC-/XYZ Analysis
- Material requirements planning
- Inventory planning (Safety stock)
- Static, deterministic lot size planning
- Dynamic, deterministic lot size planning
- Stochastic lot size planning
- Dimensioning of storage (static, dynamic)
- Cycle time calculation (fork-lift, RBG)
- Warehouse general planning
- Queuing theory (Markov-chain, M/M/1-Model)
- Queuing theory (Special cases)



Thank you for your
kind attention!

Prof. Dr.-Ing. Bernd Noche
Dr.-Ing. Alexander Goudz

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