

Tárgytematika / Course Description

Logistics Technologies

AJNM_LSTA004

Tárgyfelelős neve /

Teacher's name: dr. Földesi Péter

Félév / Semester: 2022/23/1

Beszámolási forma /

Assesment: Folyamatos számonkérés

Tárgy heti óraszám /

Teaching hours(week): 2/1/0

Tárgy féléves óraszám /

Teaching hours(sem.): 0/0/0

OKTATÁS CÉLJA / AIM OF THE COURSE

The students will get to know the basic definitions and goals about the main logistics technologies. They will learn about the equipment of the warehouse, such as the palletized and non-palletized material handling, the order picking and the information systems. We will introduce and analyse the main transportation technologies: road, rail, maritime, air and pipelines. In frame of the seminars, the students will get practical experiences via industrial case studies.

TANTÁRGY TARTALMA / DESCRIPTION

Lecture topics

Palletized storage and handling systems I.

Palletized storage and handling systems II.

Non-palletized storage and handling systems

Order picking and packing

Warehouse management and information

Identification systems I.

Identification systems II.

Maritime transport

Air transport

Rail transport

Intermodal transport

Road freight transport

Summary and conclusions

Exam

Seminar topic

Case studies: Storage and handling systems

Case studies: Storage and handling systems II.

Case studies: Order picking I.

Case studies: Order picking II.

Case studies: Information systems

Case studies: Information systems

Case studies: Maritime transport

Case studies: Air transport

Case studies: Road transport I.

Case studies: Road transport II.

Case studies: Rail transport

Case studies: Intermodal transport

Summary and conclusions

Summary and conclusions

SZÁMONKÉRÉSI ÉS ÉRTÉKELÉSI RENDSZERE / ASSESMENT'S METHOD

Continuous

The students will get marks based on the mid-term exams.

KÖTELEZŐ IRODALOM / OBLIGATORY MATERIAL

Obligatory literature:

Alan Rushton, Phil Croucher, Peter Baker: The Handbook of Logistics and Distribution Management; KoganPage

Offered literature:

- Gwynne Richards: Warehouse Management; KoganPage

Erick C. Jones, Christopher A. Chung: RFID in Logistics – A Practical Introduction; CRC Press, Taylor & Francis Group