Tárgytematika / Course Description

IT in Supply Chain

GKNM_INTA076

Tárgyfelelős neve / Teacher's name: dr. Erdős Ferenc
Félév / Semester: 2021/22/2
Beszámolási forma / Assesment: Folyamatos számonkérés
Tárgy heti óraszáma / Teaching hours(week): 2/0/0
Tárgy féléves óraszáma / Teaching hours(sem.): 0/0/0

OKTATÁS CÉLJA / AIM OF THE COURSE

The aim of the course is to introduce the modern information and communications technology solutions, which are relevant in the field of supply chain management.

TANTÁRGY TARTALMA / DESCRIPTION

Tools for SCM Data Analysis and Reporting.

Electronic Data Interchange in Supply Chain.

History of Information and Communications Technology.

Introduction to Computer Networks.

Wireless Technologies in Supply Chains.

IT-Security in Logistics

Main Challenges in Connection with IT in Industry 4.0.

Possibilities of AI, Big Data, Cloud and IoT in SCM.

Possibilities of Blockchain, Distributed Ledger and Smart Contract in SCM.

SZÁMONKÉRÉSI ÉS ÉRTÉKELÉSI RENDSZERE / ASSESMENT'S METHOD

There are two mid-term exams during the study period (1st: in the middle of the study period; 2nd: at the end of the

study period).

Requirement for getting a signature: earn at least 40% of the total points of the two mid-term exams.

Students will get marks based on the 1st and 2nd mid-term exams.

Grades and scale:

0%–40% Fail

40%–55% Pass

55%–70% Satisfactory

70%–85% Good

85%–100% Excellent

KÖTELEZŐ IRODALOM / OBLIGATORY MATERIAL

Recommended Literature:

Introduction to Information Technology, 2nd Edition. Pearson Education. 2012.

Turan Paksoy, Sadia Samar Ali, Cigdem Gonul Kochan: Logistics 4.0: Digital Transformation of Supply Chain Management, CRC Press, 2020