

Tárgytematika / Course Description

Production Logistics 2.

AJNB_LSTA019

Tárgyfelelős neve /

Teacher's name: dr. Hartványi Tamás

Félév / Semester: 2022/23/1

Beszámolási forma /

Assesment: Vizsga

Tárgy heti óraszám /

Teaching hours(week): 2/0/0

Tárgy féléves óraszám /

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

OKTATÁS CÉLJA / AIM OF THE COURSE

The students will receive a broad introduction to deeper levels of production logistics. They will get familiar with the principals of lean theory, different material flow mechanisms, ID systems, quality requirements. The lecturers will demonstrate best practice waste management solutions, automation projects and elements of Industry 4.0.

The lectures will give practical and theoretical knowledge and will contain case studies and academic reviews.

TANTÁRGY TARTALMA / DESCRIPTION

The Toyota Production System, Principles of Lean
Lean methodology I
Lean methodology II
Value Stream Mapping
Material flow control, push and pull, MRP and kanban, hybrid operations
Identification systems, traceability, FIFO
Summary and case studies
Quality Control in production systems, document management
Production and quality standards in different industries
Industry 4.0 and MES systems
Automation in production plants
Maintenance management

SZÁMONKÉRÉSI ÉS ÉRTÉKELÉSI RENDSZERE / ASSESSMENT'S METHOD

The assessment is based on the written exam at the end of the semester. The exam dates will be published in Neptun, the following grading scale applies:

Assessment result Grade

0% - 50% 1

51% - 62% 2

63% - 74% 3

75% - 87% 4

88% - 100% 5

88% - 100%

5

KÖTELEZŐ IRODALOM / OBLIGATORY MATERIAL

S. Anil Kumar, N. Suresh: Production and operations management, New Age International Publishers, 2nd edition, 2008