

## Tárgytematika / Course Description

### Production Logistics 1.

AJNB\_LSTA018

**Tárgyfelelős neve /**

**Teacher's name:** dr. Tápler Csaba

**Félév / Semester:** 2022/23/2

**Beszámolási forma /**

**Assesment:** Vizsga

**Tárgy heti óraszám /**

**Teaching hours(week):** 3/0/0

**Tárgy féléves óraszám /**

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

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### OKTATÁS CÉLJA / AIM OF THE COURSE

The students will receive a broad introduction to production logistics and its which includes the strategic planning, product planning, operation managementThe lectures will give practical and theoretical knowledge and will contain case studies and academic reviews.

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### TANTÁRGY TARTALMA / DESCRIPTION

Introduction to production and operation management. Evolution and classification of production systems.

Objectives of production management. Effects of product planning, product lifecycle.

Basics of production planning and control.

Decision of plant location

Layout design, classification of plant layouts

Material flow optimization. Visualization methods. Design

Summary and case studies

Materials management in production systems – inventory control

Materials management in production systems – trade-offs, batch size, buffers

Production planning and control. – Aggregate planning, Master production planning, Material resource planning

Production planning and control. Operational planning. – Capacity planning, routing and scheduling.

Production planning and control – IT background

Productivity calculations (Time and motion study)

Summary and case studies

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## SZÁMONKÉRÉSI ÉS ÉRTÉKELÉSI RENDSZERE / ASSESMENT'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:

<b>Assessment result</b>	<b><u>Grade</u></b>
<b>0% - 50%</b>	<b>1</b>
<b>51% - 62%</b>	<b>2</b>
<b>63% - 74%</b>	<b>3</b>
<b>75% - 87%</b>	<b>4</b>
<b>88% - 100%</b>	<b>5</b>

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## KÖTELEZŐ IRODALOM / OBLIGATORY MATERIAL

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

