University POLITEHNICA of Bucharest

Faculty of Industrial Engineering & Robotics

Study programme: Industrial Engineering

Form of study: Bachelor

COURSE SPECIFICATION

Course title	Industrial Logistics	Semester	1st (4th year)
Course code	UPB.06.S.07.O.002	ECTS	7

Course structure	Lecture	Seminar	Laboratory	Project	Total hours
No. of hours/ week	3	-	2	2	7
No. of hours/ semester	42	-	28	28	98

Lecturer	Lecture	Seminar	Laboratory	Project
Name, academic degree	As.dr.ing. Emilia-Maria POPESCU	-	As.dr.ing. Emilia-Maria POPESCU	As.dr.ing. Emilia-Maria POPESCU
Contact (E-mail, location)	As.dr.ing. Emilia-Maria POPESCU	-	As.dr.ing. Emilia-Maria POPESCU	As.dr.ing. Emilia-Maria POPESCU

Course description (max: 200 words) Learning of concepts and terminology used in industrial logistics; Knowledge the fundamental notions and understanding the modern concept of industrial logistics; Construction and operation of automated identification systems and logistics management; Acquiring knowledge about definition concepts, theories, methods and basic principles on the exploitation of the logistics systems.

Seminar description (max: 200 words) -

Laboratory description (max. 200 words) ATT systems, identification systems, industrial sensors, PLC`s, storage systems, packing systems, sorting systems, palletizing and wrapping and components assembly systems.

Project decsription (max. 200 words) Elaboration of a complete project for a conveyor; Overview of the conveyor and explaining functioning with transported element, specifying the movements, presenting the logistic flow were is positioned the conveyor; Presentation of detailed and specific coding conveyor subassemblies with highlighting the functionality of each ones.

Assessment methods	Percentage of the final grade	Minimal requirements for award of credits
Written exam	40	20
Report/ Project	20	10
Homework	10	5
Laboratory	30	15

References
1. Lecture notes

Prerequisites	Co-requisites (courses to be taken in parallel as a condition for enrolment)
The association of knowledge, principles and methods of the technical sciences in the field with graphical representations for solving specific tasks.	Technical drawing Materials Technology

Additional relevant information:

Date: 24.05.2022