STUDY MODULE DESCRIPTION FORM

Name of the module/subject	Code
Organization of Production and Logistics in Automotive Industry	**1011104361011114057**

Field of study	Profile of study (general academic, practical)	Year /Semester
Management - Part-time studies - First-cycle	**(brak)**	**3 / 6**
Elective path/specialty	Subject offered in:	Course (compulsory, elective)
-	**Polish**	**elective**

Cycle of study:	Form of study (full-time,part-time)
First-cycle studies	**part-time**

No. of hours	No. of credits
Lecture: **12** Classes: **12** Laboratory: **-** Project/seminars: **-**	**4**

Status of the course in the study program (Basic, major, other)	(university-wide, from another field)
(brak)	**(brak)**

Education areas and fields of science and art	ECTS distribution (number and %)
technical sciences	**4 100%**
Technical sciences	**4 100%**

Responsible for subject / lecturer:

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Prerequisites in terms of knowledge, skills and social competencies:

1	**Knowledge**	Basic knowledge of the organization of production and logistics fundamentals
2	**Skills**	student has the ability to perceive, to associate and interpret phenomena in organizations can take advantage of the fundamental information technologies for the management
3	**Social competencies**	student is aware of the consequences of their decisions and is prepared to take on social responsibility for decisions

Assumptions and objectives of the course:

-To familiarize students with the principles of the organization of production and logistics in the automotive industry. Familiarize students with the fundamental techniques used in this area

Study outcomes and reference to the educational results for a field of study

Knowledge:

1. have a basic understanding of the life cycle of industrial products - [K02-InzA_W01]
2. has a basic knowledge of management, including quality management, and business - [K06-InzA_W04]

Skills:

1. can-when formulating and solving engineering tasks to see their system aspects, socio-technical, organizational and economic and non-technical - [K01-InzA_U3]

Social competencies:

1. is aware that the creation of products to satisfy the needs of users requires a system approach in terms of the technical, economic, marketing, legal, organizational and financial - [K01-InzA_K2]

Assessment methods of study outcomes

-Written test for the lecture and exercises

Course description

-The lecture begins with a short presentation of the car as an industrial product (complexity, applied technology, basic units), and the process of its design. Will be presented typical assembly systems, assembly line organization and the organization of a plant producing cars. The deals with the process of planning and control at the plant producing cars. You will then be presented to the planning material requirements for the production of cars. It will explore various options of procurement, including: suppliers parks, just-in-time and just-in-sequence deliveries. The scope covers also organization of the end-of-life vehicles management.

At exercises class students become familiar with the specific problems of the organization of automobile assembly line, production planning and control and the organization of supplies in different variants.

Basic bibliography:

1. Golinska.P, Fertsch M: Organizacja produkcji i logistyki w Przemyśle Samochodowym, PP, 2011

Additional bibliography:

1. Womack J.P, Jones D.T: The Machine That Changed The World, Lean Institute, 1993
2. Ohno. T System Produkcyjny Toyoty ProdPress Warszawa 2007

Result of average student's workload

Activity	Time (working hours)
1. An analysis of the manufacturing system and logistics system in the automotive industry	70

Student's workload

Source of workload	hours	ECTS
Total workload	100	4
Contact hours	24	1
Practical activities	76	3