



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Product Life Cycle

Course

Field of study

Product Lifecycle Engineering

Area of study (specialization)

Level of study

Second-cycle studies

Form of study

full-time

Year/Semester

1/1

Profile of study

general academic

Course offered in

English

Requirements

compulsory

Number of hours

Lecture

15

Tutorials

Laboratory classes

-

Projects/seminars

15

Other (e.g. online)

-

Number of credit points

3

Lecturers

Responsible for the course/lecturer:

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Faculty of Mechanical Engineering

Piotrowo Street No 3, 60-965 Poznań

Responsible for the course/lecturer:

Prerequisites

Has general knowledge about the design, manufacture and exploitation of products



Course objective

Providing students with theoretical and practical knowledge of the product life cycle from an engineering, sociological and economic point of view. .

Course-related learning outcomes

Knowledge

Has general knowledge about the processes that create product value in subsequent stages of its creation.

Skills

For a given product, it can indicate processes that in the product's life cycle are of particular importance to meet the needs and expectations of customers.

Social competences

He understands that actions at every phase in the product life cycle must take into account the needs and expectations of the customer.

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Lecture: Test of checking the knowledge provided in lectures

Project: presentation of the project in front of the project group.

Programme content

Lecture: Division and characteristics of products. Determinants of designing new products: scientific, psychological, economic. Life cycle phases: products: recognition of needs and expectations, design, production, distribution, use, utilization. General characteristics of individual phases in terms of resources and processes used.

Project: Recreating and analyzing the life cycle of a selected product - on data obtained from the company, market observation, interviews.

Teaching methods

Lecture: classic lecture, movies

Project: observation, data collection, teamwork, discussion

Bibliography

Basic

Stark J., Product Lifecycle Management; 21st Century Paradigm for Product Realisation. Springer 2017

Additional



Breakdown of average student's workload

	Hours	ECTS
Total workload	75	3,0
Classes requiring direct contact with the teacher	38	1,5
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) ¹	37	1,5

¹ delete or add other activities as appropriate

