



COURSE DESCRIPTION CARD - SYLLABUS

Course name
Product safety

Course

Field of study
Product Lifecycle Engineering
Area of study (specialization)

Year/Semester
1/2
Profile of study
general academic
Course offered in
English
Requirements
compulsory

Level of study
Second-cycle studies
Form of study
full-time

Number of hours

Lecture
5

Laboratory classes
Projects/seminars
10

Other (e.g. online)

Tutorials

Number of credit points

1

Lecturers

Responsible for the course/lecturer:
dr inż. Łukasz Grudzień

Responsible for the course/lecturer:

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tel. 61 647 5990

Faculty of Mechanical Engineering

Piotrowo Street No 3, 60-965 Poznań

Prerequisites

Knowledge of company management attitudes, knowledge of basics of product design



Course objective

Presentation of theoretical and practical issues of functioning of the European system of conformity assessment and placing products on the market. Understand the importance of ensuring product safety.

Course-related learning outcomes

Knowledge

1. The student is able to operate the terms: risk, directive, conformity assessment, assessment modules
2. The student knows and understands the relationship between the legal requirements and business practice

Skills

1. The student is able to estimate the risk related to the safety of the product
2. The student is able to distinguish in practice between products regulated in the obligatory and voluntary area
- 3 The student is able to identify and apply in practice relevant directives and legal regulations

Social competences

1. The student is aware of the role and importance of the EU regulations related to trade in products on the EU market
2. The student is open to new ideas and concepts, making changes and striving for self-perfection

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

A credit is awarded on the basis of a colloquium consisting of a multiple-choice test (min. 15 general questions) - pass: min 8 correct answers; conducted at the end of the semester.

Evaluation of the project prepared by the student.

Programme content

Threats and risks related to product safety.

Introduction to conformity assessment issues. New and Global Approach Directives.

Modular approach. CE marking. Declaration of conformity. 17000 series standards.

Product conformity assessment system in Europe.

Teaching methods

Lecture: multimedia presentation illustrated with examples given on the board, solving tasks.

Project: development of a product case study in terms of risk assessment and identification of legal regulations.



Bibliography

Basic

1. ISO 17000 standard

Additional

Breakdown of average student's workload

	Hours	ECTS
Total workload	25	1,0
Classes requiring direct contact with the teacher	15	0,5
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) ¹	10	0,5

¹ delete or add other activities as appropriate

