



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Product conformity assessment [S11BiJ1>OZW]

### Course

Field of study

Safety and Quality Engineering

Year/Semester

3/5

Area of study (specialization)

–

Profile of study

general academic

Level of study

first-cycle

Course offered in

Polish

Form of study

full-time

Requirements

elective

### Number of hours

Lecture

15

Laboratory classes

0

Other

0

Tutorials

15

Projects/seminars

0

### Number of credit points

2,00

### Coordinators

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prof. PP

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### Lecturers

### Prerequisites

Basic knowledge of defining and assessing the fulfillment of technical requirements for products and systems

### Course objective

Presentation of theoretical and practical issues of the functioning of the European system of conformity assessment and marketing of products. Understanding the essence of ensuring product safety.

### Course-related learning outcomes

Knowledge:

1. The student has advanced knowledge of quality engineering in relation to products and processes [K1\_W07].

2. The student knows the fundamental dilemmas of modern civilization and development trends as well as best practices in the field of security engineering [K1\_W10].

Skills:

1. The student is able to design, using appropriate methods and techniques, an object, system or process that meets the requirements of safety engineering and make its initial economic assessment [K1\_U07].
2. The student is able to apply quality standards and norms in solving practical engineering tasks [K1\_U08].
3. The student is able to identify changes in requirements, standards and quality regulations [K1\_U12].

Social competences:

1. The student is able to notice cause-and-effect relationships in the implementation of set goals and use ranks in relation to the importance of alternative or competing tasks [K1\_K01].
2. The student is aware of the responsibility for his or her own work and is ready to comply with the principles of teamwork and be responsible for jointly performed tasks [K1\_K07].

## Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Formative assessment:

- a) tutorials: assessment of current progress of task implementation
- b) lectures: answers to questions about the content of previous lectures,

Summative rating:

- a) tutorials: presentation of reports on exercises performed (arithmetic average of partial grades);
- b) lectures: Tests consist of test questions, scored on a two-point scale of 0, 1. Passing threshold: 50% of points.

## Programme content

The program covers theoretical and practical issues of the functioning of the European system for assessing conformity and placing products on the market.

## Course topics

The lecture program covers the following topics:

General terms and definitions relating to conformity assessment (including the accreditation of conformity assessment bodies) and the use of conformity assessment to facilitate trade. General principles of conformity assessment and description of the functional approach to conformity assessment.

The exercise program covers the following topics:

Development of an example of a conformity assessment procedure for a selected or indicated product.  
Development of selected documentation elements for a selected product.

## Teaching methods

1. Lecture: multimedia presentation, illustrated with examples on the board.
2. tutorials: multimedia presentation illustrated with examples given on a blackboard and performance of tasks given by the teacher - practical exercises.

## Bibliography

Basic:

1. Łunarski J., Normalizacja i standaryzacja, OW PRz, Rzeszów., 2014
2. Łunarski J., Certyfikacja w działalności gospodarczej i rozwojowej, IMBGS Warszawa., 2015

Additional:

1. Kionka H., Poradnik normalizatora zakładowego, PKN Warszawa., 2001
2. Ustawa o normalizacji z dnia 12 września 2002r
3. PN-EN ISO/IEC 17000:2020-12

## Breakdown of average student's workload

	Hours	ECTS
Total workload	50	2,00
Classes requiring direct contact with the teacher	30	1,50
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	20	0,50