

## SYLLABUS

Name: Accreditation and certification of products (ZIPOZ>SI6ACP190)

Name in Polish:

Name in English: Accreditation and certification of products

### Information on course:

Course offered by department: Faculty of Organization and Management

Course for department: Silesian University of Technology

### Default type of course examination report:

ZAL

### Language:

English

### Course homepage:

<https://platforma.polsl.pl/roz/>

### Short description:

Teaching students basic issues and problems of certification and accreditation. Reference to maintaining quality principles in service and production processes.

### Description:

Lecture:

1. Genesis and development of quality management systems.
2. Basic terms and definitions: standardization, certification, accreditation, management systems, integration, synergy.
3. Accreditation systems of: PCA, IAF, ILAC, EA.
4. Criteria and requirements of accreditation process.
5. Law principles of certification.
6. PCA certification system.
7. Certification of goods, systems and personnel.

Number of hours of lectures with direct participation of academic teachers or other persons teaching courses and students:

Lecture: 30

Student's own work:

Preparation for the test: 20

Total workload: 50

Number of ECTS credits: 2

### Bibliography:

1. Bank J., Management by quality, Gebethner i S-ka, Warszawa 1997r.
2. Drummond H., In a rush of quality - Total Quality Management, DW ABC, Warszawa 1998r.
3. Jensen B., ISO 9000 – a guide and a comment, Alfa-Wero, Warszawa 1996r.
4. Łunarski J., Quality, standardization and certification systems, OWPR, Rzeszów 2001.
5. Michalski R., Mytych J., A guide on research laboratory accreditation in acc. to PN-EN ISO/IEC 17025, ELMED, Katowice 2011.
6. PN-EN ISO 17000:2006, Conformity assessment – terminology and basic rules.
7. PN-EN ISO/IEC 9000:2006, Quality management system – basics and terminology.

### Learning outcomes:

Knowledge: (knows and understands)

K1A\_W20 - fundamental dilemmas of modern civilization in relation to accreditation and certification of products

Skills: (is able to)

K1A\_U08 - make a critical analysis of how existing technical solutions work and evaluate the solutions in the light of product accreditation and certification and evaluate these solutions

K1A\_U15 - speak a foreign language in the field of accreditation and certification of products at the B2 level of the Common European Framework of Reference for Languages

K1A\_U19 - independently plan and implement his/her own lifelong learning in product accreditation and certification

Social competencies: (is ready for)

K1A\_K05 - responsible performance of professional roles related to accreditation and certification of products, including adherence to professional ethics and demanding it of others, as well as caring for the achievements and traditions of the profession

### Assessment methods and assessment criteria:

A single-choice test covering the materials presented on the lectures.

### Course credits in various terms:

<without a specific program>			
Type of credits	Number	First term	Last term
European Credit Transfer System (ECTS)	2	2021/2022-L	