



Course syllabus - part A Basics of commodity science

12S20-BOCS
ECTS: 1.50
CYCLE: 2022Z

SUBJECT MATTER CONTENT

LECTURE

The evolution of commodity science. Social, economic and legal aspects of knowledge in Social, economic and legal aspects of knowledge in the field of commodity science. National, European and world legal regulations in the field of quality supervision of goods. Generic systematics of goods including the function of packaging. Life cycle of goods. Renewable and non-renewable raw materials. Recycling of industrial goods. Fundamentals of cargo science. Natural, technical and economic susceptibility of cargo. Research and quality assessment of goods.

CLASSES

Classification systems of goods in Poland, Europe and in the world. Product evaluation and commercial Product evaluation and commercial quality standards. Marking and labelling of goods: information systems Commodity information systems, signs, symbols, codes, security features, safety indicators. Selected standards of different groups of goods (non-food and food). Determinants of quality of goods.

TEACHING OBJECTIVE

To acquaint students with the basics of commodity science, basic concepts (definitions, classifications, legal and economic aspects of standardization and unification of products) and quality issues.

DESCRIPTION OF THE LEARNING OUTCOMES OF THE COURSE IN RELATION TO THE DESCRIPTION OF THE CHARACTERISTICS OF THE SECOND LEVEL LEARNING OUTCOMES FOR QUALIFICATIONS AT LEVELS 6-8 OF THE POLISH QUALIFICATION FRAMEWORK IN RELATION TO THE SCIENTIFIC DISCIPLINES AND THE EFFECTS FOR FIELDS OF STUDY:

Symbols for outcomes related to the discipline:

S/NZJA_P7S_KK+, S/NZJA_P7S_WK+,
S/NZJA_P7S_UW++, S/NZJA_P7S_KO+,
S/NZJA_P7S_WG+

Symbols for outcomes related to the field of study:

KP7_KK2+, KP7_UW1+, KP7_UW3+, KP7_KO1+,
KP7_WG1+, KP7_WK2+

LEARNING OUTCOMES:

Knowledge:

W1 - Understands the term "commodity" and can list its characteristic features; the main institutions dealing with quality of goods and their testing and certification.

Skills:

U1 - Is able to use knowledge about the place of commodity science in the system of sciences and its. Use their knowledge about the place of

Legal acts specifying learning outcomes: 684/2020

Disciplines: economics and finance, management and quality studies

Status of the course: Fakultatywny

Group of courses: C - przedmioty

specjalnościowe/związane z zakresem kształcenia

Code: ISCED

Field of study: Management

Scope of

education: Logistics (education offer in English)

Profile of education:

General academic

Form of studies: full-time

Level of studies: second degree studies

Year/semester: 2/3

Types of classes: Lecture, Classes

Number of hours in semester: Lecture: 15.00, Classes: 15.00

Language of

instruction: Polish

Introductory subject:

Prerequisites: -

Name of the organisational unit conducting the course:

Institut Nauk o Zarządzaniu i Jakości

Person responsible for the realization of the course: dr inż. Bożena Garbowska

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Additional remarks: -

commodity science in the system of sciences and its subjective and methodical connections with other scientific disciplines

Social competence:

K1 – Is ready to cooperate in a group and actively participate in discussion.

TEACHING FORMS AND METHODS:

Lecture(W1;U1;):Multimedia presentation

Classes(W1;U1;K1;):Working in teams (4-5 people) in an auditory/laboratory format.

FORM AND CONDITIONS OF VERIFYING LEARNING

OUTCOMES:

Lecture: Competention test - In order to pass the course, students must correctly answer 60% of the questions formulated in the form of a test (open and choice questions). (W1;U1;);

Classes: Written test - The student is asked two questions. He/she must answer 60% of the applicable content correctly to pass with a sufficient grade. (K1;);

Classes: Presentation - The student completes a report (worksheet, according to the template) on the basis of the identifications made and the markings of the selected goods. (W1;U1;K1;);

BASIC LITERATURE:

1. Karpiel L., Skrzypek M., *Towaroznawstwo Ogólne*, Wyd. Akademii Ekonomicznej w Krakowie, R. 2000
2. Małecka M., *Towaroznawstwo w zapewnieniu jakości żywności i bezpieczeństwa konsumenta.*, Wyd. Uniwersytet Ekonomiczny w Poznaniu, R. 2011
3. Lisinska — Kuśnierz M., *Znakowanie i kodowanie towarów*, Wyd. Akademii Ekonomicznej w Krakowie, R. 2005

SUPPLEMENTARY LITERATURE:

1. Banach J.K., Żywica R., Gornowicz M., *Sustainable development of energy management - conditions, problems and challenges. Conference on "Problems of Energy and Environment Management in the Dairy Industry"*., Wyd. Proceedings of XXIV International Technological Conference, R. 2015
2. Zalewski R. I., *Towaroznawstwo nauką przyszłości*, Tom 1, Wyd. Towaroznawcze Problemy Jakości, R. 2004

Detailed description of ECTS credits awarded - part B

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Basics of commodity science

The number of ECTS credits awarded consists of:

1. Contact hours with the academic teacher:

- participation in: Lecture	15.0 h
- participation in: Classes	15.0 h
- consultation	2.0
	Total: 32.0 h.

2. Independent work of a student:

preparation of the presentation	5.50 h
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Total: 5.5 h

contact hours + independent work of a student Total: 37.5 h

1 ECTS credit = 25-30 h of an average student's work, number of ECTS credit = 37.5 h : 25.0 h/ECTS = 1.50 ECTS on average: 1.5 ECTS

- including the number of ECTS credits for contact hours with the direct participation of an academic teacher: 0,00 ECTS points,

- including the number of ECTS credits for hours of independent work of a student: