COURSE DESCRIPTION CARD - SYLLABUS

Course name
German language course [S1IFar2>JN1]

Course

Field of study
Pharmaceutical Engineering

Year/Semester
1/1

Area of study (specialization)
–

Profile of study
general academic

Level of study
first-cycle

Course offered in
niemiecki

Form of study
full-time

Requirements
elective

Number of hours

Lecture
0

Laboratory classes
0

Other
0

Tutorials
30

Projects/seminars
0

Number of credit points

2,00

Coordinators

dr Maria Nowosadko

Lecturers

Prerequisites

Knowledge of a foreign language at B1 level.

Course objective

The student acquires the ability to practically apply a specific set of lexical structures relating to scientific fields, experimental research and research tools appropriate for medical sciences, equipment and safety procedures in chemical and biological laboratories, the structure of the atom, the periodic table of elements, physical and chemical properties of substances and selected issues in the field of physics, mathematics and statistics. The student develops language awareness and skills in communicating in the appropriate linguistic register and working in a team.

Course-related learning outcomes

Knowledge:
1. Has well-organised general knowledge in the fields of pharmacy, cosmetology, technology, and chemical engineering as related disciplines directly associated with pharmaceutical engineering [K_W1]
2. Nows basic conceptual categories and terminology used in pharmaceutical engineering and related industries [K_W9]

Skills:
1. Understands literature in the field of pharmaceutical engineering in German; reads and comprehends uncomplicated scientific and technical texts, can obtain information from literature, databases, and other sources related to pharmaceutical engineering, integrates them, interprets, draws conclusions, and formulates opinions [K_U1]
2. Is proficient in using chemical and pharmaceutical terminology and the nomenclature of chemical compounds, both in the mother tongue and in foreign languages [K_U3]
3. Is able to prepare well-documented studies in the field of pharmaceutical engineering in German language [K_U5]
4. Is capable of preparing and giving oral presentations on specific topics in pharmaceutical engineering in German [K_U6]
5. Is able to use German in the field of pharmaceutical engineering, following the requirements specified for level B2 of the Common European Framework of Reference for Languages [K_U7].

Social competences:
1. Appreciates the value of independent learning and is able to learn German on their own as well as in cooperation with others. [K_K1, K_K2]
2. Understands the need to respect opposing points of view as well as the importance of complying with social norms of behaviour and safety regulations in a working environment. [K_K4]
3. Is ready for critical evaluation of their knowledge, understands the need for continuous learning, supplementing specialised knowledge, and enhancing professional, personal, and social competencies; recognizes the importance of knowledge in problem-solving and is prepared to seek expert opinions [K_K1].

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Completion of the task, oral answer, partial test, presentation (stationary or remote form depending on the epidemiological situation)

Programme content

1. Pharmaceutical engineering in the context of various fields of science - general concepts related to scientific research and scientific work.
2. Work in the laboratory (laboratory equipment, SI units, measurement systems, operation of laboratory equipment, safety procedures).
3. Structure of the atom.
4. Periodic table of elements.
5. Physical and chemical properties of substances.
6. Selected basic issues in the field of physics (energy, properties of matter, gravity, electromagnetism, etc.) and mathematics (numbers, elements of algebra, etc.).
7. Basic concepts in statistics: data analysis and describing changes and trends.
8. Oral presentation in the field of pharmaceutical engineering.
9. Use of selected grammatical structures.

Course topics

none

Teaching methods

Student's independent work, language course.

Bibliography

Basic:
1. Steinmetz, M., Dintera, H., 2014. Deutsch für Ingenieure. Springer.
2. Jurowska-Wernerowa, M., 1983. Słownik chemiczny niemiecko - polski. Wydawnictwa naukowo - techniczne.
3. Kujawa, B., Stinia, M., 2013. Mit Beruf auf Deutsch. Nowa Era.

Additional:
1. Fearns, A., Buhlmann, R., 2013. Technisches Deutsch für Ausbildung und Beruf. Europa - Lehrmittel.

Breakdown of average student's workload

	Hours	ECTS
Total workload	55	2,00
Classes requiring direct contact with the teacher	30	1,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	25	1,00