SYLLABUS

Name: ***Prezentacja zagadnień naukowo-technicznych (WTCCXWSJ-PZNT)***
Name in Polish:
Name in English: ***Presentation of scientific and technical subjects***

Information on course:

Course offered by department: Faculty of Advanced Technologies and Chemistry
Course for department: Faculty of Advanced Technologies and Chemistry
Term: Winter semester 2027/2028
Cordinator of course edition: dr inż. Wiesław Borys

Default type of course examination report:

Graded pass

Language:

English

Short description:

Linguistic rudiments of general, inorganic, organic and physical chemistry.
Oral and written presentations on a chosen problem of chemistry.
Rudiments of preparation of a scientific paper.
Presentations supported by multimedia.

Description:

1.Introduction to the subject. English grammar repetition. / 4 h
2. Nomenclature of inorganic compounds. / 4 h
3. Nomenclature of organic compounds / 4 h
4. Physicochemical characteristics of a substance. Macroscopic properties of matter. / 4 h
5. Techniques of scientific problems presentations./ 2 h
6. Chosen issues of conference English. Typical expressions. Examples of conference appearances. / 3 h
7. Groundwork for a conference oral appearance and poster presentation. / 1 h
8. Oral presentation of a chosen problem of general chemistry (at the table). / 3 h
9. Methodology of presentation of research results in the form of a paper./ 1 h
10. Multimedia presentation of the assigned tasks within the range of scientific interests of students. / 4 h

Total: 30 h

Bibliography:

Basic:
1. P. Domański, English in Science and Technology, WNT, 1993.
2. L. Szkutnik, An Introductory Course in Scientific English, PWN, 1978.
3. R. Macpherson, University English, Wydawnictwa Szkolne i Pedagogiczne, 1994.
4. E. B. Uvarov, A. Isaacs, Dictionary of Science, The Penguin, 1993.
5. David. W. A. Sharp, The Penguin Dictionary of Chemistry, 1991.

Complementary:
1. P. Atkins & J. de Paula, Physical Chemistry, Oxford University Press, 2005.

Learning outcomes:

Symbol / Learning efects / Reference to direction effects

W1 / A student knows and understands the nature, place and importance of social sciences and humanities and their relationship to other sciences. / K_W01
U1 / The student is able to use a foreign language at the B2+ level of the Common European Framework of Reference for Languages, to the extent that allows him to communicate in speech and writing in general and to a greater extent in the field of specialized terminology / K_U01
U2 / The student is able to develop a problem in the field of chemistry and related sciences using Polish and foreign literature, as well as his own observations and thoughts. He is able to present a developed problem in an accessible way in written and oral form, both in Polish and English. / K_U11
K1 / The student is able to determine the priorities of action and plan the implementation of tasks / K_K07

Assessment methods and assessment criteria:

The subject is credited under condition of the positive results of the oral presentations (presentation at the table and multimedia presentation) of a chosen problem in English within the range of chemistry.
The final mark is the arithmetical average of the marks obtained in the two presentations mentioned above.

mark 2 – less than 50% of the required knowledge;
mark 3 – 50 ÷ 60% of the required knowledge;
mark 3,5 – 61 ÷ 70% of the required knowledge;
mark 4 – 71 ÷ 80% of the required knowledge;
mark 4,5 – 81 ÷ 90% of the required knowledge;
mark 5 – more than 91% of the required knowledge.
Mark 5 is given to a student who has acquired knowledge, skills and competencies contained in the teaching results system, is competent and consistent in the knowledge acquirement process.
Mark 4 is given to a student who has acquired knowledge, skills and competencies contained in the teaching results system on a good level.
Mark 3 is given to a student who has acquired knowledge, skills and competencies contained in the teaching results system on a satisfactory level.
Mark 2 is given to a student who has not acquired the basic knowledge, skills and competencies contained in the teaching results system and has not accomplished the necessary requirements.

Mode of study

full-time studies

Form of study

long-cycle studies

Introductory subjects

Rudiments of general, organic, inorganic and physical chemistry

Programs

Field of study: chemistry, all specializations

Form of course / number of hours / final requirement

Exercises 30 h/ +

Author

PhD, Eng,. Wiesław BORYS

ECTS balance

Activity / Load in hours

1.Attendance at lectures
2.Attendance at laboratories
3.Attendance at exercises / 30 h
4.Attendance at seminars
5.Individual studying the lectured problems /16 h
6.Individual preparation to the laboratories
7.Individual preparation to the exercises /16 h
8.Individual preparation to the seminars
9.Project's realization
10.Attendance at consultations /8 h
11.Preparation to the examination
12.Preparation to the crediting of the subject /16 h
13.Participation in the exam

Total load of the student's : 86 h / 3,0 ECTS

Activities participated by teachers: 1+2+3+4+9+10+13: 38 h / 1,0 ECTS

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Default type of course examination report:

Graded pass

Bibliography:

missing bibliography in English