

Detailed course description (SUBJECT CARD)

Course title: Chemical nomenclature
Course code:
Classification of a course group:
Course type: specialty-related
 elective
Field of study: Chemistry
Level of study: second-cycle
Profile of study: general academic
Mode of study: full-time programme
Specialty (specialisation): Pharmaceutical and cosmetic chemistry
Year of study: first
Semester: first
Teaching modes and teaching hours: seminar – 30 hours
Language/s of instruction: English
Number of ECTS credits (*according to the study programme*): 1

1. Course objectives:

Students learn and master the basic technical vocabulary of English terminology in selected fields of chemistry.

2. Relation of the field-related learning outcomes to modes of teaching and methods of verification as well as to assessment of student's learning outcomes:

symbol	assumed learning outcomes a student who completed the course:	teaching modes	verification methods and learning outcomes assessment
Skills: a student can			
K2A_U12	has the ability to prepare written work in Polish and a foreign language	seminar	observation
K2A_U13	uses specialized English terminology in the field of chemical sciences	seminar	test

3. The content of study programme ensuring learning outcomes (*according to the study programme*):

Getting familiar with with English terminology concerning safety in chemical laboratory, separation and purification techniques of organic compounds (distillation, crystallization, chromatography);

English vocabulary including nomenclature and usage of laboratory glassware, reaction mechanisms as well as stereochemistry of organic compounds and processes of fine chemicals' synthesis;

Getting familiar with abbreviations used in scientific literature;

Reading comprehension of English-language scientific texts in the field of chemistry.

4. Description of methods of determination of ECTS credits:

Type of activity	Number of hours / ECTS credits
Number of course hours regardless of a teaching mode	30/1
Student's workload 1* getting familiar with the chosen English text	7/0
Student's workload 2* preparation (translation and pronunciation) of vocabulary for a chosen topic	8/0
The other**	
Total hours:	45
Number of ECTS credits allocated to a course	1

Explanation:

* – student's workload - fill in the types of activities, e.g. *preparation for a course, interpretation of results, making a course report, preparation for an exam, studying sources, making a project, presentation and report, doing written assignment, etc.*

** – the other e.g. *extra course hours*

5. Summary indexes:

- number of course hours and ECTS credits at the course with a direct participation of academic teachers or other persons running the course and supervising students; 30/1
- number of course hours and ECTS credits at the course related to the scientific activity conducted at the Silesian University of Technology in a discipline or in disciplines to which a field of study is assigned - in the case of studies with a general academic profile; 30/1
- number of course hours and ECTS credits at the course developing practical skills- in the case of practical studies; 0
- number of course hours conducted by academic teachers employed by the Silesian University of Technology as their primary workplace. 30/1

6. Persons conducting particular modes of courses (name, surname, academic degree or degree in arts, title of professor, business e-mail address):

Seminar:

Anna Kuźnik, PhD, anna.kuznik@polsl.pl

7. Detailed description of teaching modes:

1) seminar:

- detailed programme's content:

The purpose of the seminar is to familiarize students with the practical skills of using basic vocabulary of English terminology in the field of chemical sciences.

The program covers the following topics:

- reading comprehension of English-language scientific texts, including correct pronunciation,
- translation of texts from English into Polish,
- consolidating newly learned vocabulary in the form of test questions, crosswords, puns and other forms of this type of interactive plays that motivate students to use English also in the spoken form.

- teaching methods, including distance learning:

classic; the teacher provides students with materials to prepare for the classes.

- form and criteria for semester completion, including retake tests, as well as conditions for admission to the examination:

- preparation in a two-person team a chosen issue from the list of compulsory topics covering program content specified in point 3 of this card,
- positive passing (at a minimum of 75%) of at least two of the four unannounced short tests covering the scope of the classes completed during the semester,
- if the student does not meet the second of the above-mentioned conditions, he/she takes the final test of the entire scope of topics discussed during the classes,
- if the student has not obtained the minimum number of points (50%) from the final test, he/she is entitled to 2 correction terms.

- course organisation and rules of participation in the course, with an indication whether a student's attendance is obligatory

Classes are carried out during 15 two-hour meetings. Attendance is obligatory, and two absences are allowed without justification.

8. Description of the method for determining the final grade (rules and criteria for evaluation, as well as the final grade calculation method in the case of a course comprising more than one teaching mode, taking into account all teaching modes and all exam dates and credit tests including retake exams and tests):

A condition for the obtaining a positive grade is passing at least 2 of 4 short tests during the semester for a minimum of 75% or the final test after the completion of all classes for a minimum of 50%.

9. Method and procedure for making up for

- student's absence from the course,

Individual preparation by the student an additional topic in the field of chemistry indicated by the teacher (translation of the new vocabulary).

- differences in study programmes for students changing their field of study, changing university or resuming studies at the Silesian University of Technology,

Depending on the type of differences in study programmes, it is determined by the teacher during consultations in accordance with the forms of conducting classes and the credit conditions set out in point 7 of this card.

10. Prerequisites and additional requirements, taking into account the course sequence:

Basic knowledge of organic chemistry and English language.

11. Recommended sources and teaching aids:

1. P. Domański, *English in Science and Technology*, WNT, Warszawa, 2006.
2. Collective work, *Polish-English scientific and technical dictionary*, WNT, Warszawa 2012.
3. Collective work, *English-Polish scientific and technical dictionary*, PWN, Warszawa, 2017.
4. Collective work, *English-Polish, Polish-English technical dictionary*, Edgard Publisher, 2018.
5. Texts in English provided by teacher and texts chosen by students after the teacher acceptance.

Supplementary sources:

1. Oxford Dictionaries, *Oxford Dictionary of English*, Oxford University Press, Oxford, 2010.

12. Description of teachers' competences (e.g. publications, professional experience, certificates, trainings etc. related to the

programme contents implemented as a part of the course):

Publications in journals from the JCR database in the field of chemical sciences.

Knowledge of English confirmed by passing the First Certificate in English exam (FCE level).

Several years of professional and didactic experience, including seminars and laboratory classes, especially in the field of organic chemistry, molecular spectroscopy and English terminology (classes carried out in English).

13. Other information:

None