COURSE DESCRIPTION CARD - SYLLABUS

Course name
English language [S1IChiP1>JA1]

Course

Field of study
Chemical and Process Engineering

Year/Semester
1/1

Area of study (specialization)
–

Profile of study
general academic

Level of study
first-cycle

Course offered in
English

Form of study
full-time

Requirements
elective

Number of hours

Lecture
0

Laboratory classes
0

Other
0

Tutorials
60

Projects/seminars
0

Number of credit points

5,00

Coordinators

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Lecturers

Prerequisites

The already acquired language competence compatible with level B1 (CEFR) The ability to use vocabulary and grammatical structures required on the high school graduation exam with regard to productive and receptive skills The ability to work individually and in a group; the ability to use various sources of information and reference works.

Course objective

1. Advancing students' language competence towards at least level B2 (CEFR). 2. Development of the ability to use academic and field specific language effectively in both receptive and productive language skills. 3. Improving the ability to understand field specific texts (familiarizing students with basic translation techniques). 4. Improving the ability to function effectively on an international market and on a daily basis.

Course-related learning outcomes

Knowledge:
as a result of the course, the student ought to acquire field specific vocabulary related to the following issues:
1 the states of matter

2 separating and purifying mixtures
3 atoms and molecules, the structure of the atom, electron arrangements in atoms
4 the periodic table of elements, properties of atoms in chosen groups
5. trends in groups and across periods
and to be able to define and explain associated terms, phenomena and processes.
6. Naming chemical compounds
and to be able to define and explain associated terms, phenomena and processes.
k_w03, k_w04, p6s_wg

Skills:
as a result of the course, the student is able to:
- give a talk on field specific or popular science topic (in english), and discuss general and field specific issues using an appropriate linguistic and grammatical repertoire,
- express basic mathematical formulas and to interpret data presented on graphs/diagrams,
- formulate a text in english where he/she explains/describes a selected field specific topic.
k_u01, k_u02, k_u04, k_u05, p6s_uk

Social competences:
as a result of the course, the student is able to communicate effectively in a field specific/professional area, and to give a successful presentation in english.
the student is able to recognize and understand cultural differences in a professional and private conversation, and in a different cultural environment.
k_k03, p6s_kr

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

• Formative assessment: tests during academic year (written and oral), presentations
1. Oral answer related to the material covered in each of the studies sections/chapters
2. Written short tests/ tests/essyas after finishing each section/chapter (the grade will be given according to the following scale: 0-50% not satisfactory F, <50 -60% satisfactory E, <60-70% satisfactory plus D, <70-80% good C, < 80-90% good plus B, <90-100% very good A
3. Short oral quizes - questions during classes refering to the material (each question will be graded up to 5 points)
4. All homework - done in time.
• Summative assessment: credit - the final grade will be calculated as the mean of all the grades from the semester. In case of on-line mode of studies the assessment will be done in the same way, except for oral tests being carried out using an on-line platform decided on by the authorities of PUT Centre of Languages and Communication.

Programme content

Issues related to chemical and process engineering.

Course topics

1. The states of matter, differences between solids, liquids and gases
2. Separating and purifying mixtures
3. Atoms and molecules, the structure of the atom, electron arrangements in atoms
4. The Periodic Table of Elements, properties of atoms in chosen groups, trends in groups and periods
5. Naming chemical compounds

Teaching methods

work with texts, discussion, team work, translation, films, individual written and oral deliverance, individual meetings with students, homework analysis, Moodle platform exercises…

Bibliography

Basic

Richard Harwood and Ian Lodge, Cambridge IGCSE Chemistry, Coursebook, Fourth edition, 2014, Cambridge University Press , (IGCS)
Dorota Dziuba, Environmental Issues wydanie drugie, Wydawnictwo Uniwersytetu Łódzkiego
Dorota Horowska, English in Chemistry, Wydawnictwo Politechniki Gdańskiej
Additional
Richard Harwood and Ian Lodge, Cambridge IGCSE Chemistry, Workbook, Fourth edition, 2014, Cambridge University Press , (IGCS - W)
Gallagher, Rose Marie and Ingram, Paul. 2011. Complete Chemistry. Oxford: Oxford University Press
Hanf Bodo.2001.Angielski w technice. Poznań: Lektor Klett (Pons)
Taylor, liz.2007. International Express Intermediate. Oxford: Oxford University Press (I.E)
Oxford English Video, Oxford Business English Skills, Effective Presentations, Oxford University Press (E.P)

Breakdown of average student's workload

	Hours	ECTS
Total workload	120	5,00
Classes requiring direct contact with the teacher	60	2,50
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	60	2,50