Course title Technologia informacyjna/Information technology	**ECTS code** 13.3.0729

Name of unit administrating study
Faculty of Chemistry

Studies

Field of study	Type	Form	
Chemical Business	Bachelor / Engineer	Full-time studies	

Teaching staff
Dr Magdalena Ślusarz

Forms of classes, the realization and number of hours	**ECTS** 2
A. Forms of classes, in accordance with the UG Rector's regulations laboratory classes	classes - 30 h tutorial classes – 5 h student's own work – 15 h
B. The realization of activities on- line classes, in-class learning	Total: 50 h - 2 ECTS
C. Number of hours 30 h laboratory classes	

The academic cycle
First year, winter semester

Type of course obligatory	**Language of instruction** Polish
Teaching methods Individual work of the student in the computer laboratory under the teacher's supervision	**Form and method of assessment and basic criteria for evaluation or examination requirements** **A. Final evaluation, in accordance with the UG study regulations** course completion (with a grade) **B. Assessment methods** kolokwium **C. The basic criteria for evaluation** or exam requirements Final test; passed at least 51% of the maximum score, according to the Study Regulations. Creating a multimedia presentation on a given topic

Required courses and introductory requirements
None

Aims of education

• Introduction into the Unix-based operating systems. Familiarizing the students with the basic tools for: file operations, text editing, communication with remote system, changing of file attributes, graphics editing, the free search for the information on the resources of the WWW and e-mail handling.
• Demonstration of molecular graphics programs (bioinformatics and visualization of the molecules) and tools for two-dimensional chemical compounds drawing.
• Familiarizing the students with Educational Portal of the University of Gdańsk; e-learning courses handling.

Course contents
Laboratory issues: Linux operating system – accounts, passwords, safety, file and directory operations; text editors, logging into the remote system; using WWW resources (e-mail, web browsers, communicators); office suite – word processor, spreadsheet and charts, presentations; tools for drawing and visualization of the molecule structures; graphics editing; creating web pages in the CMS environment.

Bibliography of literature

A. Literature required to pass the course

Monographic works provided by assistants leading classes

B. Extracurricular readings

Knowledge

Skills

The student is able to create files and directiories, use web browsers to find desired information and use internet communicators. The student can build structure of the molecules, draw charts of the mathematical functions, edit graphical files and making multimedia presentation.

Social competence

The student shows the sense of responsibility for entrusted computer equipment. The student understands the need to learn.