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| **Course title**Information technology – ERASMUS Technologia informacyjna – ERASMUS | **ECTS code**13.3.1269 |
| **Name of unit administrating study** Faculty Chemistry |
| **Studies**

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| **Field of study** | **Type** | **Form** |  |
| Chemistry | Bachelor  | Full-time studies  |  |
| Chemistry | Master | Full-time studies |  |
| Environmental sciences | Bachelor | Full-time studies |  |

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| **Teaching staff**dr hab. Adam Sieradzan |
| **Forms of classes, the realization and number of hours**  | **ECTS credits 4**classes 30 htutorial classes 20 hstudent’s own work 50 hTOTAL: 100 h - 4 ECTS |
| 1. **Forms of classes, in accordance with the UG Rector’s regulations**

laboratory classes |
| 1. **The realization of activities**

In-class |
| 1. **Number of hours**

30 h - laboratory |
| **The academic cycle**summer |
| **Type of course**facultative | **Language of instruction**English |
| **Teaching methods**Laboratory experiments | **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**Writing test  |
| **C. The basic criteria for evaluation** or exam requirements Evaluation criteria in accordance with the UG Studies Regulations; |
| **Required courses and introductory requirements** no requirements |
| **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.**Convergent to:** IT, digital chemistry |
| **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** Monographic works provided by assistants leading classes |
| **Knowledge**1. knows the Unix-based operating systems2. has knowledge about 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,3. knows the students with Educational Portal of the University of Gdańsk, |
| **Skills**1. understands the basic concepts of molecular graphics programs (bioinformatics and visualization of the molecules),2. recognizes the most important tools for two-dimensional chemical compounds drawing,3. can operate the Unix-based operating systems |
| **Social competence**1. understands the need for further education in the field of information technology2. can transfer knowledge in the molecular graphics programs |