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| <b>Course title</b><br>Praktyka zawodowa/Professional traineeship                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |             | <b>ECTS code</b><br>13.3.0974                                                                                                                                                                                                                                    |  |
| <b>Name of unit administrating study</b><br><br><b>Faculty of Chemistry</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             |                                                                                                                                                                                                                                                                  |  |
| <b>Studies</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             |                                                                                                                                                                                                                                                                  |  |
| <b>Field of study</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>Type</b> | <b>Form</b>                                                                                                                                                                                                                                                      |  |
| Chemistry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Bachelor    | Full-time studies                                                                                                                                                                                                                                                |  |
| <b>Teaching staff</b><br>Dr hab. Aleksandra Dąbrowska, prof. UG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |             |                                                                                                                                                                                                                                                                  |  |
| <b>Forms of classes, the realization and number of hours</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             | <b>ECTS credits</b>                                                                                                                                                                                                                                              |  |
| <b>A. Forms of classes, in accordance with the UG Rector's regulations</b><br>internship                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             | 6                                                                                                                                                                                                                                                                |  |
| <b>B. The realization of activities</b><br>outdoor activities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |             |                                                                                                                                                                                                                                                                  |  |
| <b>C. Number of hours</b><br>120 h of internship                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |                                                                                                                                                                                                                                                                  |  |
| <b>The academic cycle</b><br>Third year, summer semester                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             |                                                                                                                                                                                                                                                                  |  |
| <b>Type of course</b><br>obligatory                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             | <b>Language of instruction</b><br>Polish                                                                                                                                                                                                                         |  |
| <b>Teaching methods</b><br><br>Practice                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             | <b>Form and method of assessment and basic criteria for evaluation or examination requirements</b>                                                                                                                                                               |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |             | <b>A. Final evaluation, in accordance with the UG study regulations</b><br>course completion (without a grade)                                                                                                                                                   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |             | <b>B. Assessment methods</b>                                                                                                                                                                                                                                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |             | <b>The basic criteria for evaluation</b><br>- a positive evaluation from practice supervisor from the institution (opinion of the company tutor);<br>- a positive evaluation for preparation of a practice log book and a report from the university supervisor; |  |
| <b>Required courses and introductory requirements</b><br><b>A. Formal requirements</b> not required<br><b>B. Prerequisites</b> not required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             |                                                                                                                                                                                                                                                                  |  |
| <b>Aims of education</b> <ul style="list-style-type: none"> <li>• to learn about the workplace (technology, materials, and water and sewage management, quality control, industrial laboratories, etc.);</li> <li>• knowledge of the duties and responsibilities at the different levels in management of the unit;</li> <li>• knowledge of the principles of health and safety in a given unit;</li> <li>• ability to use the legislation underpinning the function of the plant;</li> <li>• knowledge and understanding of the need for a fair and honest discharge of the duties;</li> <li>• knowledge and understanding of the need for rational management of raw materials, products, chemicals in the case of the unit in which the intership takes place;</li> </ul> |             |                                                                                                                                                                                                                                                                  |  |

### Course contents

Detailed content depending on the place of the career practical course. They may include: familiarizing with the area of activity of a given plant, production technology, waste sites and methods of their management and disposal, water and sewage management and wastewater treatment technology, quality control, duties and principles of operation of analytical laboratories, material collection and storage for analyzes, methodologies of performed analyzes, legal regulations regarding trading and safety of work with chemicals, obligations of the plant related to environmental protection, law regarding various areas of environmental protection, energy management, protection of forest resources.

### Bibliography of literature

#### A. Literature required to pass the course

#### B. Extracurricular readings

References provided by the internship instructor

### Knowledge

- defines the principles of work safety in a given institution
- lists the area of activity of the given workplace
- lists the duties of the workplace related to the specifics of its area of operation
- lists the responsibilities of persons working at various levels in the entity's management hierarchy
- describes ways of implementing the principles of sustainable development in the institution

### Skills

- uses theoretical and practical knowledge acquired at the university
- understanding the need for the entity to function in accordance with the principles of sustainable development;
- develops documentation of tasks performed during the internship;
- uses a comprehensible language in writing;
- lists tasks

### Social competence

- takes responsibility for the independent performance of the tasks;
- works in a team;
- understands the need to perform his duties reliably at every workplace;