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| **Study program** Applied chemistry with the management basics |
| **Course title** Professional internship (H269C) |
| **Name of lecturer/lecturers** All professors that teach in the study program |
| **Type of course** Obligatory |
| **Number of ECTS allocated** 3 |
| **Course objectives**Training the student for practical application of previously acquired knowledge, which he received through different types of teaching in the study program. Acquiring direct knowledge about functioning and organization of companies and institutions that deal with business within the profession for which the student is being trained, participation in designing, creating documentation and quality control, familiarization with work risks, in accordance with the possibilities of the working environment. The goal of professional practice is for the student to get closer to his practical activity and facilitate the transition from academic education to professional work |
| **Course outcomes**After the successful completion of the professional practice, the student is able to: * understand and explain in organizational and professional terms the way of functioning of the part of the company in which he did the practice;
* successfully communicate with team members in task design, documentation creation and practical implementation;
* applying the experience and knowledge gained in the institution where the practice was carried out to solve similar problems - tasks in different conditions in other institutions;
* presents the results of his practical work in written form in the form of a professional practice diary and seminar paper, and in an oral presentation.
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| **SYLLABUS**The content of professional practice is created for each candidate separately in agreement with the teacher who manages the professional practice and an employee in the company that manages the student's work, and in accordance with the set educational goals defined by the study program. Professional practice is realized in production companies, project organizations, scientific research institutions or higher education institutions, in private or public sector, in which various activities related to the application of chemistry are performed. The choice of the institution is carried out in consultation with the teacher who manages the professional practice. During professional practice, the student gets to know the structure of the company and the goals of its business, adjusts his own engagement to the study area he has chosen and properly fulfills work obligations in accordance with the duties of employees in the company. In the form of a diary, the student describes his engagement during professional practice and gives a critical review of his own experience, knowledge and skills he acquired during practice. |
| **References**The choice of literature is in accordance with the specific thematic unit of the student's professional practice. |
| **Active teaching classes** | **Remaining classic:** 90 |
| **Teaching mode**Upon the student's proposal, and according to the list of offered companies, the teacher approves that the internship be carried out in the desired institution and issues a written instruction for the professional internship to the person responsible for its implementation in the given institution. The internship is realized through independent work, with consultations and writing a diary in which the student presents the activities and tasks he performed during the professional internship. After the completed internship, based on the report of the student and the employee of the company leading the student, the company's signature and seal confirm that the internship has been completed. As part of professional practice, the following are monitored: regular attendance, active participation in work and the quality of diary writing. At the end of the internship, the student writes a seminar paper, after the positive evaluation of which he approaches the oral defense. |
| **ASSESSMENT METHODS AND CRITERIA (Max 100 points)** |
| **Pre exam duties** | **Points** | **Final exam**  | **Points** |
| Professional internship | 40 | Written examination | / |
| Diary | 10 | Oral examination | 30 |
| Seminar paper | 20 |  |  |