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| **Study program** Applied chemistry with the management basics |
| **Course title** Research study work (H270C) |
| **Name of lecturer/lecturers** All professors that teach in the study program |
| **Type of course** Obligatory |
| **Number of ECTS allocated** 4 |
| **Course objectives**Acquiring scientific and professional applied knowledge for solving specific problems in practice. Developing the ability to study a particular problem, its structure and complexity and, based on the conducted analyses, defining possible ways and methods of solving it. Enabling the student to get to know the methods intended for solving similar tasks through experimental work. |
| **Course outcomes**The student is able to independently apply and expand previously acquired knowledge from various fields of chemistry and deepen knowledge in the field of Applied Chemistry, in order to see the structure of the given problem and carry out its systematic analysis in order to draw conclusions about possible ways of solving it. Through independent work, the student expands his knowledge by studying different methods and studies related to similar issues. Through the practical application of acquired knowledge, the student demonstrates the ability to see the place and role of his profession in the chosen field, cooperate with other professions and participate in teamwork. |
| **SYLLABUS**It is formed individually in accordance with the needs of the specific study research work, its complexity and structure. According to his affinities and inclinations, the student chooses the field of study work and defines a specific task with the relevant professor. The student performs analyses in order to find a solution to a specific task and performs certain experiments in the laboratory. Study work also includes active monitoring of primary knowledge, organization and execution of experiments, mathematical modeling and statistical data processing, preparation of a seminar paper from the narrower scientific field to which the topic of the study research work belongs. |
| **References**In accordance with the field of the student's study research work. |
| **Active teaching classes** | **Research study work:** 60 |
| **Teaching mode**Practical work, consultations. |
| **ASSESSMENT METHODS AND CRITERIA (Max 100 points)** |
| **Pre exam duties** | **Points** | **Final exam**  | **Points** |
| Seminar paper | 50 | Written examination | 50 |