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| **Study program** Applied chemistry with the management basics |
| **Course title** Master thesis (H272C) |
| **Name of lecturer/lecturers** All professors that teach in the study program |
| **Type of course** Obligatory  |
| **Number of ECTS allocated** 2 |
| **Course objectives**The goal of this course is to involve the student in scientific research work, and enable him to independently work on a given problem of an experimental or theoretical nature, to familiarize himself with the literature in the subject area through the work, to prepare, process and interpret his results by comparing them with the results from the literature and to apply them in areas related to applied chemistry (depending on the narrower determination). |
| **Course outcomes**Upon successful completion of this course, the student is able to: present the results of his/her written research in the form of a final paper; elaborates the results of his research; orally presents and defends the research results, i.e. final (master) thesis. |
| **SYLLABUS**Under the guidance of the mentor, the student elaborates the results of the research and writes the final (master's) thesis. The final (master's) thesis contains an argumentation for the choice of the research problem, an introduction, a theoretical part, an explained research methodology, a description of the research itself and the results of the research, a discussion of the results, concluding remarks and a list of used literature. After completing the final (master's) thesis, the student approaches his public defense. |
| **References**Literature in accordance with the chosen topic of the master's thesis. |
| **Active teaching classes** | **Remaining lectures:** 30 |
| **Teaching mode**The final (master's) thesis can be a research paper (experimental or other research paper) or review paper. In the preparation of the final (master's) work, the usual research methods in chemical disciplines are used: methods based on a chemical experiment, descriptive method and others. Relevant statistical procedures are used to process the results. |
| **ASSESSMENT METHODS AND CRITERIA (Max 100 points)** |
| **Pre exam duties** | **Points** | **Final exam**  | **Points** |
| Master thesis | 60 | Oral exam | 40 |