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| Module title | | Abbreviation |
| Organic Chemistry for engineering students (practical course) | | o8-OCP1-FU-152-mo1 |
| Module coordinator | | Module offered by |
| holder of the Chair of Organic Chemistry II | | Institute of Organic Chemistry |
| ECTS | Method of grading | Only after succ. compl. of module(s) |
| 2 | (not) successfully completed | o8-OC1 |
| Duration | Module level | Other prerequisites |
| 1 semester | undergraduate | -- |
| Contents | | |
| <p>This module gives students the opportunity to apply in practice the knowledge they have gained through the related lecture(s). After a safety briefing, the students autonomously conduct experiments in the laboratory. In addition to those experiments, students will be expected to take oral tests and write lab reports to demonstrate their knowledge. The course focuses on the safe handling of hazardous substances, simple experimental unit operations of organic chemistry, simple to multi-level syntheses and the analysis of the products.</p> | | |
| Intended learning outcomes | | |
| <p>Students know how to safely handle hazardous substances. They are able to conduct simple experimental operations of organic chemistry. They are able to analyse the yield and purity of the products and identify possible error sources. They are able to connect the theoretical aspects covered in the lecture with practical experiments in the laboratory.</p> | | |
| Courses (type, number of weekly contact hours, language – if other than German) | | |
| P (4) | | |
| Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus) | | |
| <p>Vortestate/Nachtestate (pre and post-experiment examination talks approx. 15 minutes each, log approx. 5 to 10 pages each) and assessment of practical performance (2 to 4 random examinations) Assessment offered: Once a year, winter semester Language of assessment: German and/or English</p> | | |
| Allocation of places | | |
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| Additional information | | |
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| Workload | | |
| 60 h | | |
| Teaching cycle | | |
| -- | | |
| Referred to in LPO I (examination regulations for teaching-degree programmes) | | |
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| Module appears in | | |
| <p>Bachelor' degree (1 major) Functional Materials (2015) Bachelor' degree (1 major) Functional Materials (2021)</p> | | |