

| Case Study B | | | | | | |
|--|----------------|-----------------|--|---------------------------|---------------------------|--|
| Module-No./Abbreviation | Credits | Workload | Term | Frequency | Duration | |
| CE-W03/CaStu B | 3 CP | 90 h | 2 nd / 3 rd Sem. | Both terms | 1 Semester | |
| Courses Case Study B | | | Contact hours - | Self-Study 90 h | Group Size: 1-3 | |
| Prerequisites - | | | | | | |
| Learning goals / competences After completion of the project work, the students <ul style="list-style-type: none"> • will have gained experience in working on a problem individually or in small groups, • are able to organize and coordinate the assignment of tasks independently under the supervision of an advisor, • should have gathered new information and insights into the activities of practicing engineers while acquiring skills in innovative research fields, • will be able to present technical projects, and to develop problem solution strategies and will hence also obtain worthwhile communication skills. | | | | | | |
| Content The project topic is usually determined by the respective lecturer or one of his/her assistants. In addition to this, students may also conduct project work on topics defined by companies from industry or official authorities. However, the project work must be completed under the supervision of one of the course's lecturers. The student - or a small group of students - conducts a project independently and presents the results in the form of a written report and optionally, an oral presentation (upon agreement with the respective lecturer). The projects are usually devised to as to integrate interdisciplinary aspects such as <ul style="list-style-type: none"> • noticing problems, describing them and formulating envisaged goals • team-oriented and interdisciplinary problem solutions • organizing and optimizing one's time and work plan • literature research and evaluation as well as the consultation of experts • documentation, illustration and presentation of results | | | | | | |
| Teaching Methods / Language Independent work in seminar rooms and computer labs; testing plants, where applicable / English | | | | | | |
| Mode of assessment Review of the project work and oral presentation | | | | | | |
| Requirement for the award of credit points The project paper and presentation will be graded. For this purpose, the individual achievements of the students within the project groups are separately evaluated. The evaluation includes: written project paper with a final presentation (100%) | | | | | | |
| Requirement for the award of credit points The project paper and presentation will be graded. For this purpose, the individual achievements of the students within the project groups are separately evaluated. The evaluation includes: written project paper / 75% (100% without a final presentation) and final presentation / 25% (optional) | | | | | | |
| Module applicability MSc. Computational Engineering | | | | | | |
| Weight of the mark for the final score - | | | | | | |

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| Module coordinator and lecturer(s) Professors and assistants of the program |
| Further information |