Case Study A

Module-No./Abbreviation
CE-WP24/CaStu A

Credits
3 CP

Workload
90 h

Term
2nd/3rd Sem.

Frequency
Both terms

Duration
1 Semester

Courses
Case Study A

Contact hours
-

Self-Study
90h

Group Size:
1-3

Prerequisites
-

Learning goals / competences
After completion of the project work, the students

- 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, hence obtaining 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

- 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%)

Module applicability
MSc. Computational Engineering

Weight of the mark for the final score
3 %

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

Further information