

Courses in English Course Description

Department	04 Electrical Engineering and Information Technology
Course title	Project in Electrical Engineering and Information Technology
Hours per week (SWS)	4
Number of ECTS credits	5
Course objective	<p>In this course, the students deepen their knowledge in the field of electrical engineering as well as in the field of project management through practical application of the knowledge gained in the previous semesters. The students are able to analyze a complex problem in the field of electrical engineering and to develop approaches to a solution. They can compare candidate components and development tools and choose and apply the most appropriate ones. The students can reflect on their respective special knowledge and skills and contribute to the project team at a suitable position. In coordination with the other project teams, they will practice interdisciplinary communication. The students are able to methodically reflect on their self-organized work process. They can document their result and also take into account the non-technical boundary conditions. During the design review during the semester and the final presentation at the end of the semester, the students practice presenting technical facts and defending their results in technical discussions with the other students and the teachers.</p>
Prerequisites	Recommended: Basics of semesters 1-4, basics of project management
Recommended reading	Schelle Heinz: Projekte zum Erfolg fuehren - Projektmanagement systematisch und kompakt, Muenchen, Dt. Taschenbuch-Verlag, 2014 Depending on the current project topic, suitable specialist literature
Teaching methods	Participation in a project
Assessment methods	Module work (according to specifications at the beginning of the semester), note: ungraded performance
Language of instruction	English
Name of lecturer	Prof. Dr. Joachim Schramm
Email	joachim.schramm@hm.edu
Link	https://www.ee.hm.edu/fk04/profs/schramm.de.html
Course content	See handbook for the master program "Elektrotechnik", https://w3-https://w3-mediapool.hm.edu/mediapool/media/fk04/fk04_lokal/studienplan__modulhandbuch__neu_/modulhandbuecher/mosulhandbuecher_ws_2022_23/2022_10_25_Modulhandbuch-EI_WiSe22.pdf
Remarks	