

Department	04 Electrical Engineering and Information Technology
Course title	Project in Electromobility
Hours per week (SWS)	4
Number of ECTS credits	5
Course objective	The students deepen their knowledge of both the field of electromobility and the field of project management through practical application of the knowledge acquired in the previous semesters. The students are able to plan and implement a project in the field of electrical engineering in a team using suitable methods and to present the results, whereby non-technical constraints must also be taken into account. They are familiar with the basic procedure for planning and implementing a development project. They master the division of labor and coordination within the team. After completing this module, the students can use the development tools relevant to the given task and work independently on new topics. They can estimate the consequences of unforeseeable events, such as defective devices, malfunctions and delivery difficulties for components, and adapt the project planning accordingly. In the event of malfunctions, the students analyze the error and its possible causes until the error is found and corrected. During a design review and during the final presentation at the end of the semester, students practice presenting technical issues and defending their results in technical discussions with other students and teachers.
Prerequisites	Recommended: Basics of semesters 1-4, basics of project management
Recommended reading	Depending on the project, 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 and German
Name of lecturer	Prof. Dr. Dirk Hirschmann
Email	dirk.hirschmann@hm.edu
Link	https://ee.hm.edu/kontakte_de/phonebook_detailseite_14792.de.html
Course content	See handbook for the bachelor program "Elektrotechnik - Elektromobilität", https://ee.hm.edu/studierende/modulhandbuecher.de.html
Remarks	