Department	04 Electrical Engineering and Information Technology
Course title	**Systems Engineering Project**
Course number	SE 3009
Hours per week (SWS)	2
Number of ECTS credits	5
Course objective	The students apply skills they have acquired in other project management and systems engineering courses by carrying out a project with systems engineering methods and tools in practice. They master the independent application of elementary methods and techniques of requirements engineering, architecture definition and testing of systems as well as project management. In doing so, they independently work out stakeholder and system requirements in the project team, as well as the system design and are able to define and carry out system tests. The students work on a complex project and work in a team with the help of suitable methods. They take on different project roles and take on the corresponding tasks and responsibilities in the team. They complete the project with the goal of sustainable documentation and processing of learning experiences. They act cooperatively in different roles and responsibilities within project groups. The students communicate according to project-specific rules within the project team and with external project partners and independently resolve conflicts within the project team and with external project partners.
Prerequisites	Recommended: Courses about systems engineering and project management, possibly at master level
Recommended reading	Jacobi, W.: Projektmanagement für Ingenieure. Vieweg+Teubner Verlag, 2010 Haberfellner R. et.al. (Hrsg.): Systems Engineering, 13. Aufl., Orell Füssli Verlag, Zürich, 2015.
Teaching methods	Practical project with regular meetings (professor acts as coach)
Assessment methods	Written project documentation (50%) and oral presentation (50%)
Language of instruction	English
Name of lecturer	Prof. Dr. Claudio Zuccaro
Email	claudio.zuccaro@hm.edu
Link	https://www.ee.hm.edu/fk04/profs/zuccaro.de.html
Course content	See handbook for the master program "Systems Engineering", https://mediapool.hm.edu/media/fk04/fk04_lokal/studienplan__modulhandbuch__neu_/modulhandbue cher/modulhandbuecher_ss_2023/2023_03_14_Modulhandbuch-SE_SoSe2023.pdf
Remarks	