

Project Management

Course number	6318
Hours per week:	2
ECTS:	5
Scheduled:	Winter Term
Format:	seminar
Examination:	Homework with presentation
Lecturer:	Prof. Dr. Jochen Krieger
Objectives:	Students are familiar with the basics of project management. They can set up and structure a project and they use the principle tools of project management. Moreover they are able to carry out a concrete project (LEGO Mindstorms Robot system) with MSPProject.
Contents:	Depending on the project phase, they communicate selected content addressing an audience. The cost calculation and finally the hardware and software realization of a robot system is focusing on both, economical and engineering fundamentals. The students work in groups. At the same time they are able to work in interdisciplinary teams and act solution-oriented when difficulties arise. Students create project reports and analyze them. From the assessments they derive measures and identify potential for improvement. Topics covered in the seminar: – Definition of projects – Project Management – Planning and organization of projects – Communication and cooperation in projects – Programming and design of a Lego [™] Mindstorms [™] robot – Project Management with MSPProject
Pre-requisites	Laptop with English version of MSPProject (workaround with university PC pool is offered)
Recommended Reading:	-