

Module DDM 4213 – Project Work

1	Module Number 4213	Study Programme DDM	Semester 2	Offered in <input type="checkbox"/> WS <input checked="" type="checkbox"/> SS	Duration 1 Semester	Module Type compulsory	Workload (h) 240	ECTS Points 8
2	Courses		Teaching and Learning Forms		Contact Time		Self-Study Time	Language
	a) Project Work b) Project Work - Presentation		Project Work Presentation		(SWS) 7 1	(h) 160	(h) 80	Englisch
3	<p>Learning Outcomes and Competences Once the module has been successfully completed, the students can...</p> <p>Knowledge and Understanding</p> <ul style="list-style-type: none"> • Develop a project plan • Split complex tasks into subtasks. • Apply the knowledge from lectures and labs on a real application. • Understand the limitations of project time and human resources. <p>Use, Application and Generation of Knowledge</p> <p><i>Use and Transfer</i></p> <ul style="list-style-type: none"> • Use methods and tools of project management. • Understand the principles of systems engineering. • Work with state of the art engineering software and measurement equipment. <p><i>Scientific Innovation</i></p> <ul style="list-style-type: none"> • Describe interfaces of complex systems. • Apply scientific methods to solve industrial problems. • Discuss pros and cons of new solutions in a group. • Interpret measurement data and simulation results. <p>Communication and Cooperation</p> <ul style="list-style-type: none"> • Work together according to a project plan • Take into account cultural differences in working style, leadership and communication. • Cooperate within the group in order to find adequate solutions for the project task. <p>Scientific Self-Conception/ Professionalism</p> <ul style="list-style-type: none"> • Work successfully in international development groups in industry. 							
4	<p>Contents</p> <p>a) Project Work: Application of project management, constitution of hierarchy (project-manager, teams members), constitution of project structure (time schedule, work packages), realisation of given tasks, documentation and evaluation of results</p> <p>b) Project Work – Presentation: Presentation of results within a seminar, project feedback</p>							
5	<p>Participation Requirements</p> <p>compulsory: Lectures and labs of first semester (DDM1)</p> <p>recommended: Basic knowledge of project management , basic knowledge of team work</p>							
6	<p>Examination Forms and Prerequisites for Awarding ECTS Points</p> <p>a) Group report</p> <p>b) Presentation in a group (20 min.) + discussion (10 min.)</p>							
7	<p>Further Use of Module</p> <p>Preparation for Master Thesis</p>							

8	<p>Module Manager and Full-Time Lecturer</p> <p>Responsible: Prof. Dr.-Ing. Stefan Wagner</p> <p>Lecturer: Supervision of a professor of the Faculties Mechanical and Systems Engineering or Mobility and Technology acc. to topic</p>
9	<p>Literature</p> <p>Art of Project Management; by Scott Berkun; ISBN: 0596007868</p> <p>Project Management For Dummies; by Stanley E. Portny; ISBN: 0470049235</p>
10	<p>Last Updated</p> <p>18.04.2021</p>