Course title	*Fundamentals of agile project management*
Course code	*IP 912.*
Module coordinator	*Anja Voges.*
Lecturer	*Dr.-Ing. Tobias Wienhold*
Level of course	*Bachelor*
Recommended prerequisites	*None*
Type of course	*Lecture with interactive workshop-style elements*
Weekly lecture hours (SWS)	*4 SWS*
ECTS credits	*4*
Workload	*Total 120 h: 60 h course attendance, 60 h self-study*
Assessment (grading; pass/fail)	*graded*
Regular cycle	*Every term*
Language of instruction	*English*
Contents:	*All of us have already participated in and conducted projects ourselves - either in our personal or professional lives. In this course students will learn the fundamentals of agile project management, which enable them to plan and run projects more effectively and efficiently.* *You will learn the following key concepts, tools, and techniques:* • *The role and typical tasks of a project manager* • *The project life cycle: initiating, planning, executing, and closing projects* • *Budgeting: estimating costs, creating and tracking a project budget* • *Project schedule: planning and monitoring the project plan* • *Project risk management: identifying and analyzing risks to the successful project completion* • *Comparison of agile and traditional project management* • *Agile methodologies: SCRUM and Kanban* • *Team roles, artifacts, and events in agile project management* • *Tools and techniques for monitoring efficiency and progress*

Learning outcome (competencies):	*After successfully completing this course, students:* • *Know the basics of project management and are familiar with the typical phases of a project* • *Understand the differences between traditional and agile project management and when to choose which* • *Are familiar with the Roles, artefacts and events of the SCRUM framework* • *Possess a basic understanding of the most important documents required during the project life cycle* • *Know the typical tasks and responsibilities of a project manager*
Teaching methods	☒ Lecture ☒ Group work ☒ Exercises ☐ Simulation ☐ Video feedback ☐ Others:
Assessment methods	*During the semester students have to regularly complete short tests that serve to internalize the lecture contents. To complete this course, students will further refine and apply the learned skills in a real-world "virtual" example project.* *Student performance will be assessed based on the test performances, participation in the workshops, the project deliverables and final presentation, which is held in front of their peers.* *A regular course attendance and completion of all tests is mandatory for the successful completion of the course.*
Recommended reading	• *Project Management Handbook - Agile, Traditional, Hybrid - by Juerg Kuster, Christian Bachmann, Mike Hubmann, Robert Lippmann, Patrick Schneider* • *Essential Scrum: A Practical Guide to the Most Popular Agile Process - by Kenneth S. Rubin*
Additional information	*This course consists of a mix of lectures and interactive workshop-style blocks held throughout the semester. While lectures will be held remotely on Tuesday mornings, the practical sessions are held on-site on selected Saturdays.*
Recognition of credits	*Will be filled in by coordinators*