

Courses in English Course Description

Department	13 General and Interdisciplinary Studies
Course title	Project Management Basics
Hours per week (SWS)	2
Number of ECTS credits	2
Course objective	<p>The course aims to equip students with fundamental project management skills to use and build on in any work environment. You will also hear about real life examples from around the world, such as developing an autonomous vehicle in Silicon Valley.</p> <p>This course teaches the theory of project management approaches, methods and tools, as well as how to apply them in different project settings:</p> <p>Understand project management structures and approaches and the advantages and disadvantages of traditional vs agile methodologies</p> <p>Learn how to initiate, plan, execute, control, and close projects</p> <p>Understand Scrum, the most common agile methodology</p> <p>Dive into project management areas such as scheduling: e.g. how to schedule projects using dependencies and breakdowns, Gantt charts, critical paths</p> <p>Develop skills in how to communicate effectively within projects, manage stakeholders, risk, costs, quality, and more.</p> <p>While theory acts as the core of the course, every section allows you to practice the tools and techniques we cover using group projects and real life examples.</p> <p>By the end you should be able to set up a project from scratch, run it through the different phases of a project life cycle, make decisions whether to rather choose an agile or linear approach to a specific project and apply this to a project of your choice</p>
Prerequisites	
Recommended reading	International Management, Project Management, Tools, Methods, Business Management. A list of relevant literature will be provided at the beginning of the course.
Teaching methods	Lectures, case studies, sample projects
Assessment methods	
Language of instruction	English
Name of lecturer	Katharina Hohmann
Email	
Link	
Course content	<p>Project management is core to many business operations as organizations become increasingly projectized. Whether you work in mechanical or electrical engineering, software development, any kind of product development, financial institutions, marketing, pharmaceuticals, construction, sports, or public policy - project management skills are useful everywhere. You may be interested in pursuing the profession of a project manager or you simply work as part of the project team - knowing project structures, phases, techniques, terminology and principles eases collaboration. This includes prioritizing and balancing tasks, planning resources, tracking progress, creating schedules, and ensuring effective communication among project team members. Understanding how to use these techniques helps to achieve goals more efficiently can make the difference between a successful or failed project.</p>
Remarks	Regular attendance at the lectures is essential.