

Syllabus
GMT 5501 Project Management
 Prof. Dr. Frauke Sander
 Summer Semester 2023

Level	Master	
Credits	2	
Student Contact Hours	30 h	
Workload	60 h (30 contact hours / 30 h self-study time)	
Prerequisites	-	
Time	Wednesday, March 1	15.30 – 19.30 (W 4.1.06)
	Thursday, March 2	15.30 – 19.30 (W 4.1.06)
	Friday, March 3	15.30 – 19.30 (W 4.1.06)
	Monday, March 6	15.30 – 19.30 (W 4.1.06)
	Tuesday, March 7	15.30 – 19.30 (W 4.1.06)
	Presentations tbd.	
Room	See above	
Start Date	March 1 st , 2023	
Lecturer(s)	Name	Prof. Dr. Frauke Sander
	Office	W2.4.16
	Virtual Office	Alfaview Office Prof. Sander
	Office Hours	Wednesday, 14.00 – 15.30 (please make an appointment)
	Phone	+ 49 (0)7231 28-6637
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Summary (optional)

The course is based on the Project management body of knowledge issued by the Project Management Institute (PMI). It introduces fundamentals from key project management areas: scope, time, cost, quality, human resources, communications, risk, procurement, and stakeholder management. Tools and concepts such as project charter, scope statement, work breakdown structure, project estimating and scheduling methodologies are studied. In addition, key principles of agile and classic project management are compared and the suitability of the two approaches for different project settings is discussed.

Outline of the Course

- 1 Lecture overview & organization
- 2 Introduction to Project Management
- 3 Getting Started: Project Initiation
- 4 Scope Management
- 5 Time Management
- 6 Cost Management
- 7 Human Resources Management
- 8 Quality Management
- 9 Communications (& Stakeholder) Management
- 10 Risk Management
- 11 Procurement Management
- 12 Stakeholder Management

Course Intended Learning Outcomes and their Contribution to Program Intended Learning Outcomes / Program Goals

Goal	Learning Objectives	Course Contributions to Goal	Assessment
1 Responsible leadership in organizational contexts	1.1 Knowledge of leadership principles 1.2 Application of leadership principles 1.3 Critical reflection of leadership concepts	Students will work in teams on a number of exercises and case studies during the lecture and will have to prepare their term paper in a team effort	Presentation and discussion of term paper
2 Creative problem solving skills in a complex business environment	2.1 Ability to identify, differentiate and classify problems 2.2 Ability to analyze problems (instrumental competence) 2.3 Ability to find creative solutions (systemic competence) 2.4 Ability to present problems (communicative competence)	Structuring complex business situations in case studies and exercises	Case work and discussion within classes, presentation and discussion of term paper
3 Research Skills	3.1 Methodological knowledge (extending knowledge) 3.2 Competence in applying relevant state of the art research methods (instrumental competence) 3.3 Ability to collect innovative results by using relevant research methods (systemic competence)	Throughout the course project management methods and tools are introduced, such as e.g. project charter, WBS, project estimating and scheduling methodologies	Case work and discussion within classes, presentation and discussion of term paper
4 Management of Innovation	4.1 Fundamental knowledge of operational innovation processes 4.2 Ability to assess a company's innovation potential 4.3 Ability to develop complex technological strategies		
5 Management of the challenges of global sustainability and awareness for social and corporate responsibilities	5.1 Fundamental knowledge of sustainability issues 5.2 Ability to identify and analyze sustainability issues and its causes 5.3 Development of sustainability strategies		

Teaching and Learning Approach

The course is organized as a lecture, but throughout the course special emphasis is put on discussion and interaction with the students as well as exercises and case studies. This application-oriented approach should foster the transfer of concepts and methods learned to 'real-world' project management situations the students are confronted with.

Literature and Course Materials

- PMBoK (2021): *A guide to the Project Management Body of Knowledge (PMBOK Guide)*, Project Management Institute, 7th edition.
- PMBoK (2017): *Agile Practice Guide*, Project Management Institute.
- Mulcahy et. al. (2022): *Rita Mulcahy's PMP Exam Prep*, RMC Publications, 11th edition.
- Belling (2020): *Succeeding with Agile Hybrids*, Apress.

The course materials will be distributed to the students via the e-learning platform.

Assessment

The grading will be based upon the quality of the written and oral presentation of the final case study (term paper). The presentation should have a clear structure, contain all relevant elements, be comprehensible, plausible and the documentation should be prepared in an adequate visual format.