ENGINEERING PF
SCHOOL OF ENGINEERING
Fakultät für Technik
Hochschule Pforzheim

HS PF

Syllabus

MWI10046 Seminar Industrial Management A

Prof. Karl R. van der Merve

Winter Semester 2024/2025

Level	Master
Credits	2
Student Contact Hours	3
Workload	90 hours
Prerequisites	
Time	s. LSF
Room	s. LSF
Start Date	s. LSF
Lecturer(s)	**Name**
	Office
	Virtual Office
	Office Hours
	Phone
	Email

Summary

Outline of the Course

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

Dear Karl, please add learning outcomes of the course on the right side where applicable. According to the alignment matrix, there are probably contributions to goals 1, 2, and 4. Not all fields need to be filled in!

Program Intended Learning Outcomes		Course Intended Learning Outcomes
	After completion of the program the students will be able…	After completion of the course the students will be able…
1	Responsible leadership in organizational contexts	
1.1	…to demonstrate their solid knowledge of numerous relevant management principles. They are able to explain and discuss them discerningly.	
1.2	…to apply management principles within an organizational context.	
1.3	…to reflect discerningly and critically on diverse management principles within an organizational context.	
1.4	… to understand and deal with the challenges of ethics and sustainability for responsible business operations and are able to deal with them.	
2	Creative problem solving skills in a complex business environment	
2.1	…to recognize and define problems as well as assess their importance.	
2.2	…to analyse complex in-company and inter-company problems and challenges from different perspectives and/or within an international context.	
2.3	…to independently develop creative solutions to complex in-company and inter-company problems and challenges.	
2.4	…to clarify successfully complex problems and solutions to both experts and laymen.	
3	Creative problem solving skills in a complex business environment	
3.1	…to demonstrate their knowledge of research methods relevant to engineering and management as well as their advantages and disadvantages.	
3.2	…to successfully apply research methods relevant to engineering and management.	
3.3	…to implement relevant research methods in such a way as to deliver reliable and innovative results.	
4	Interface expertise in the technical-economic field	
4.1	... to utilise well-founded knowledge in the technical and economic fields for the integrative solution of complex tasks.	
4.2	… to apply the methods of project management and successfully organise, implement and manage projects.	
4.3	… to develop and evaluate alternative solutions, taking into account various specialist disciplines, and to implement them in integrated overall solutions.	

Teaching and Learning Approach

Literature and Course Materials

Assessment

Schedule
N/A

Academic Integrity and Student Responsibility

Code of Conduct for Students

Link to the Code of Conduct for online Teaching

Teaching Philosophy

Additional Information