

Module 5214 Operations

1	Module Number 5214	Study Programme IM (MBA)	Semester 1	Offered in <input checked="" type="checkbox"/> WS <input type="checkbox"/> SS	Duration 1 semester	Module Type Compulsory	Workload (h) 180	ECTS Points 6
2	Courses		Teaching and Learning Forms		Contact Time		Self-Study Time	Language
					(SWS)	(h)	(h)	
	a) Project Management		Lecture, exercises		2	30	30	English
	b) Quality Management		Lecture, exercises		2	30	30	English
	c) Operations and Supply Chain Management		Lecture, exercises		2	30	30	English
3	<p>Learning Outcomes and Competences Once the module has been successfully completed, the students</p> <p>Knowledge and Understanding</p> <ul style="list-style-type: none"> understand the role of professional project management (Project Management) understand the role of professional quality management in industrial businesses (Quality Management) know how the modern supply chain and methods and tools (Operations and Supply Chain Management) <p>Use, Application and Generation of Knowledge</p> <p><i>Use and Transfer</i></p> <ul style="list-style-type: none"> apply methods and tools for managing operations worldwide within an industrial company <p><i>Scientific Innovation</i></p> <ul style="list-style-type: none"> set up an operating system analyse problems and develop solutions <p>Communication and Cooperation</p> <ul style="list-style-type: none"> work in small groups to gather commonly used information and align strategy parts <p>Scientific Self-Conception/ Professionalism</p> <ul style="list-style-type: none"> justify the proposed solutions of case-studies theoretically and methodically <p>Methods</p> <ul style="list-style-type: none"> Lectures, discussion, exercises, participant presentations, case studies, exchange of experience, independent research work done by students 							
4	<p>Contents The module covers the following three courses:</p> <ul style="list-style-type: none"> Project Management: Apply principles and methods of professionally managing projects Quality Management: Impact of quality management on business performance, quality management tools including SPC, quality audits and certifications Operations and Supply Chain Management: Fundamentals of all operations functions within industrial companies 							
5	<p>Participation Requirements recommended: Participants have knowledge of the foundations of the courses "Economics", "Quantitative Methods" and "Data Science"</p>							
6	<p>Examination Forms and Prerequisites for Awarding ECTS Points</p> <ul style="list-style-type: none"> Written exam (incl. case studies) graded; Mid-terms (written, graded) will be obligatory 							
7	<p>Further Use of Module This module is the basis for the modules "Production and Technology" and "Sustainable Management"</p>							
8	<p>Module Manager Prof. Dr. Siegfried Zürn</p>							
9	<p>Literature Please see the specific course descriptions</p>							

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10	Last Updated 25.10.2019
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