

Modul Cover Sheet

Study Programme	MSc in Facility Management	
Study Year	2018_19	
Module	Research Lab 1,2,3	
Code	n.MA.FM.ReLa1.15HS, n.MA.FM.ReLa2.16FS, n.MA.FM.ReLa3.16FS	
Status	Compulsory Module	
*Type	C X	R M
ECTS-Credits	3	
Workload	90	
Regulations applications	<p>RPO vom 29. Januar 2008, Studienordnung für den Masterstudiengang MSc in Facility Management vom 24. März 2011, Anhang für den Masterstudiengang MSc in Facility Management vom 30. August 2011, angepasst am 14.4.2015 <i>(Non-binding translation: General Academic Regulations for Bachelor's and Master's degree programmes at the Zurich University of Applied Sciences on 29 January 2008, Academic Regulations for the Master's programme in Facility Management at the Zurich University of Applied Sciences on 24 March 2011, Annexe to the Academic Regulations Master of Science in Facility Management on 30 August 2011, amended on 14 April 2015)</i></p>	
Module Coordinator	Prof. Dr. Andrea Ch. Kofler	
Telephone / Email	+41 58 934 56 23	andrea.kofler@zhaw.ch
Comments	<p>Research Labs are offered each fall and spring term; students need to participate at least in one Research Lab.</p> <p>Course descriptions for Research Lab 1, 2, 3 are published and presented to the students at the beginning of the semester.</p> <p>Research Labs are introduced at the beginning of the semester; students learn about the ongoing projects in a workshop. The number of participants per research lab is restricted.</p>	

*Typus (Type)	C Core Course/Module (Kerngebiet eines Studienprogramms)
	R Related Course/Module (Unterstützung des Kerngebiets mit Vermittlung von Vor- oder Zusatzkenntnissen)
	M Minor Course/Module (Wahl- oder Ergänzungskurs/-modul)

Consecutive Sheet

Study Programme	MSc in Facility Management				
Study Year	2018_19				
Course	Research Lab 1,2, 3				
Code	n.MA.FM.ReLa1.15HS.V, n.MA.FM.ReLa2.16FS.V, n.MA.FM.ReLa3.16FS.V				
Module	Research Lab 1, 2, 3 (Applied Research Project)				
Status	Research Lab 1: Compulsory Course Research Lab 2, 3: Elective Course				
*Type	C	X	R	M	
Regulations applicable	RPO vom 29. Januar 2008, Studienordnung für den Masterstudiengang MSc in Facility Management vom 24. März 2011, Anhang für den Masterstudiengang MSc in Facility Management vom 30. August 2011, angepasst am 14.4.2015 <i>(Non-binding translation: General Academic Regulations for Bachelor's and Master's degree programmes at the Zurich University of Applied Sciences on 29 January 2008, Academic Regulations for the Master's programme in Facility Management at the Zurich University of Applied Sciences on 24 March 2011, Annexe to the Academic Regulations Master of Science in Facility Management on 30 August 2011, amended on 14 April 2015)</i>				
Total Workload (hours) <i>(see comments below)</i>					
	1. Sem.	2. Sem.	3. Sem.	4. Sem.	5. Sem.
<i>Lectures</i>					
<i>Coached Self-study</i>	25	25	25	25	25
<i>Autonomous selfstudy</i>	65	65	65	65	65
<i>Total Workload</i>	90	90	90	90	90
Course Coordinator	Prof Dr Susanne Hofer, Prof Dr Lukas Windlinger Prof. Dr Carsten Druhmann				
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	+41(0)58 934 56 88 (L. Windlinger)			wind@zhaw.ch	
	+41(0)58 934 56 26 (C. Druhmann)			dhnn@zhaw.ch	
Lecturer(s)	IFM Researchers				
Speaker(s)					
Associate(s)					

<p>Learning Outcomes and Competencies</p>	<ul style="list-style-type: none"> • Students are informed about ongoing FM projects in cooperation with economic and scientific partners. • Students understand the difference between applied and pure research. • Students have developed their academic- and research skills. • Students have learned about the different steps and phases within research projects. • Students know the most relevant reference literature with respect to the research focus. • Students are able to start their own research activities.
<p>Course Content</p>	<p>Research Labs are integrated into ongoing research projects out of the main focal points of the IFM. There are the following research areas:</p> <ul style="list-style-type: none"> ■ Life Cycle Management ■ Energy Management ■ Workplace Management ■ Facility Management in Health Care ■ Consumer Science / Consumer FM and Ambient Assisted Living ■ Knowledge + Behavior ■ Strategy, Models, Concepts <p>All projects stress the strategic dimension of FM in different contexts.</p> <p>A project might also have been initiated by an external partner independent from other research activities at the IFM. However, students will always be supervised by IFM staff members.</p> <p>Students are taking over assigned tasks within an ongoing project to develop their academic and research skills. They are supervised in a one-to-one coaching by the project leader or a team member. Course outcomes vary from project to project.</p> <p>Course work includes activities in the fields of:</p> <ul style="list-style-type: none"> • project management • literature reviewing • data collection • data analysis • project reporting <p>The time schedule is individual and depends on the ongoing tasks and milestones within the research project.</p>

EUROPEAN CREDIT TRANSFER SYSTEM (ECTS)

Language of Instruction	English
Expected Attendance	Attendance is expected and strongly recommended. Mandatory attendance on selected dates – the exact dates will be provided at the beginning of the course.
Assessment	Written Report (approx. 2.500 words), 50% of the total course mark Presentation in the context of a workshop (participation mandatory) 30% of the total course mark. A research diary (20% of the total course mark) will have to be handed in at the end of the course. (see appendix)
Course Materials / References	Students will be provided with selected texts at the beginning of the semester. Easterby-Smith, M; Thorpe, R. and P. Jackson (20124). Management Research. Sage: London. Myers, M. D. (2009). Qualitative Research in Business&Management. Los Angeles: Sage. Polonsky, Michael J. and David S. Waller (20112). Designing and managing a research project. Sage, Thousand Oaks. Robson, C. (20113). Real World Research. John Wile&Sons Ld.: Cornwall. Saunders, M., Lewis, Ph. and A. Thornhill (20094). Research Methods For Business Students. Harlow: Prentice Hal. Sekaran, U. and R. Bougie (20095). Research Methods for Business. John Wile&Sons Ld.: Cornwall. Wilson, J. (2010). Essentials of Business Research. A Guide to Doing Your Research Project. Sage: London.
Entrance Requirements	
Follow-up Courses	Qualitative and Quantitative Research Methods, Specific Research Methods, Master's Thesis Research Plan
Comments	Research Labs are offered each fall and spring term; they need to participate at least in one Research Lab. Course descriptions for Research Lab 1, 2, 3 are published and presented to the students at the beginning of the semester. Research Labs are introduced at the beginning of the semester; students learn about the ongoing projects in a workshop. The number of participants per research lab is restricted.