Faculty of Engineering
University of Freiburg

Master of Science in Microsystems Engineering
Examination regulations 2009
with changes 1 October 2018
example for study plan sorted by semesters

IMTEK◆

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Sem Modules/Courses	Area	mandatory elective	L	E	S	Pr	ECTS	WS / SS
Semester 1							**33**	
1 Microelectronics	Advanced MST	P	2	1	0	0	5	WS
1 Micro-mechanics	Advanced MST	P	2	1	0	0	5	WS
1 Micro-optics	Advanced MST	P	2	1	0	0	5	WS
1 Sensors	Advanced MST	P	3	0	0	1	5	WS
1 Probability and statistics	Mathematics	P	2	1	0	0	5	WS
1 MST technologies and processes	Advanced MST	P	2	1	0	0	5	WS
1 MST design laboratory I	Fortgeschrittene MST	P	0	0	0	3	3	WS
Semester 2							**25**	
2 Assembly and packaging technology	Advanced MST	P	2	1	0	0	5	SS
2 Micro-fluidics	Advanced MST	P	2	1	0	0	5	SS
2 Biomedical microsystems	Advanced MST	P	2	1	0	0	5	SS
2 Micro-actuators	Advanced MST	P	2	1	0	0	5	SS
2 Signal Processing	Advanced MST	P	2	1	0	0	5	SS
Semester 3							**32**	
3 Concentration Bereich 1	MST Concentration	W	0	0	0	0	3,5,6	WS, SS
3 Concentration Bereich 1	MST Concentration	W	0	0	0	0	3,5,6	WS, SS
3 Concentration Bereich 1	MST Concentration	W	0	0	0	0	3,5,6	WS, SS
3 Concentration Bereich 1	MST Concentration	W	0	0	0	0	3,5,6	WS, SS
3 Concentration Bereich 2	MST Concentration	W	0	0	0	0	3,5,6	WS, SS
3 Concentration Bereich 2	MST Concentration	W	0	0	0	0	3,5,6	WS, SS
3 Concentration Bereich 2	MST Concentration	W	0	0	0	0	3,5,6	WS, SS
3 Concentration Bereich 2	MST Concentration	W	0	0	0	0	3,5,6	WS, SS
Semester 4							**30**	
4 Master's Thesis	-	P	0	0	0	0	30	WS, SS
4 Presentation of the Thesis	-	P	0	0	2	0		WS, SS

Caption:
P=mandatory, W=elective, L=Lecture, E=Exercises, S=Seminar, Pr=Project or Lab course
X=unknown/depends on subject