Hochschule Heilbronn
Technik • Wirtschaft • Informatik
Heilbronn University

The following Study and Exam Regulations (German: SPO) were verified and approved by the Senate at its 268th meeting on 26 June 2007.

Only the German version of this document is legally binding!

Prof. Dr. R. Pferdmenges
Deputy Vice-Chancellor and Head of the Examinations Office

Study and Exam Regulations
B. Programme-specific section
Article 35
Master's Programme
Software Engineering and Management (MSEM)

(1)   To be eligible for the award of the Master's degree, the candidate must have obtained at least 90 ETCS and completed courses totalling 50 hours per week. 1 ECTS credit corresponds to 30 hours of work. Thus, the expected total workload per semester is 900 hours.

(2)   All mandatory courses required for the successful completion of the programme and the corresponding type of examinations and credits are shown in table 1 below. The courses are categorised according to modules. For each module, the corresponding ECTS credits are listed.
Subject to the provisions of Article 3 (4), courses are generally taught in English.

Table 1: Master's Programme

Sem	Course				Examination		ECTS
	No.	Module no.	Title	Type	No. of hours per week	Type	Duration in min.	
1		**M1**	**Software Engineering 1**					**[10]**
		M1.1	Algorithm Theory	V/Ü	4	LK	90	5
		M1.2	Software Architecture	V/L	2	LA		3
		M1.3	Paradigms in Software Development	V/L	2	LA		2
		M2	**Engineering Application Domains**					**[10]**
		M2.1	Intelligent Systems	V/L	4	LA		5
		M2.1	Real-time Systems	V/L	4	LL		5
		M3	**Project Management and Leadership**					**[10]**
		M3.1	Product and Quality Management	S	2	LA		4
		M3.2	Management Methods/Leadership	S	3	LA		3
		M3.3	Business Models for Software	S	3	LA		3
Total 1st semester					**24**	**8** (LA/ LL/ LK)	**90**	**30**
2		**M4**	**Software Engineering 2**					**[10]**
		M4.1	Information Management	V/L	4	LA		5
		M4.2	Requirements and Usability Engineering	V/L	2	LA		3
		M4.3	Project and Risk Management and Project Controlling	V/L	2	LA		2
		M5	**Change and Strategic Information Management**					**[10]**
		M5.1	Change Management	S	2	LR		2
		M5.2	Strategic Information Management	S	4	LR		5
		M5.3	Process Management	S	2	LR		3
		M6	**International Cooperation in Software Engineering**					**[10]**
		M6.1	Computer Mediated Communication	S	2	LK	90	3
		M6.2	Remote Collaboration in Virtual Teams	S	2	LA		3
		M6.3	Intercultural Management	S	4	LK	120	4
Total 2nd semester					**24**	**9** (LA/ LK/ LR)	**90-120**	**30**
3		**M7**	**Master's Thesis**					**[30]**
		M7.1	Master's Colloquium		2	LA		4
		M7.2	Master's Thesis			(1PT)		26
Total 3rd semester								**30**
Total Master's Programme					**50**	**17** (LA/ LR/ LL/LK)	**60-120**	**90**

(3)   The following table shows the specific examinations of the Master's Programme:

Table 2: Examinations

No.	Title	Weight of the grade of the single examinations	Weight of the overall grade of the module for the final grade of the Master's degree
	Module M1: Software Engineering 1		
	M1.1 Algorithm Theory	5	
	M1.2 Software Architecture	3	10
	M1.3 Paradigms in Software Development	2	
	Module M2: Engineering Applications Domains		
	M2.1 Intelligent Systems	5	
	M2.2 Real-Time Systems	5	10
	Module M3: Project Management and Leadership		
	M3.1 Product and Quality Management	4	
	M3.2 Management Methods/Leadership	3	10
	M3.3 Business Models for Software	3	
	Module M4: Software Engineering 2		
	M4.1 Information Management	5	
	M4.2 Requirements and Usability Engineering	3	
	M4.3 Project and Risk Management and Project Controlling	2	10
	Module M5: Change and Strategic Information Management		
	M5.1 Change Management	2	
	M5.2 Strategic Information Management	5	10
	M5.3 Process Management	3	
	Module M6: International Cooperation in Software Engineering		
	M6.1 Computer-Mediated Communication	3	
	M6.2 Remote Collaboration in Virtual Teams	3	10
	M6.3 Intercultural Management	4	
	Module M7: Master's Thesis		
	M7.1 Master's Colloquium	4	
	M7.2 Master's Thesis	26	30
	Total		90

(4)   The modules shown in table 2 are only passed if all individual examinations of the module are passed with an overall grade of at least "sufficient" (4.0 on the German scale from 1 to 6).

(5)   The degree certificate includes the grades of the modules as listed in table 2 and the grade of the Master's Thesis. The grade of each module is calculated based on the weighted average grades of the credit value of each individual examination. The corresponding weights are shown in table 2. The degree classification will be determined by the weighted average grade of the individual modules and the final grade of the Master's Thesis, based on the weights shown in table 2.

(6)   These Study and Exam Regulations shall enter into force on 1 September 2007. Students who have already commenced their studies at the time of enactment may, upon written application, which must be submitted by 1 February 2008, take their examinations in accordance with the previous Study and Exam regulations.

List of abbreviations

Type of course:

V = Lecture L = Laboratory S = Seminar Ü = Exercise

Type of examination credits:

LK = course-related written exam

LL = course-related lab work

LR = course-related presentation

LA = course-related practical work

PT = Master's Thesis