

In order to graduate students' individual study programme's must be approved by the specialization coordinator

Legenda:

F = Financial Engineering and Management

P = Production and Logistic Management

H = Health Care and Technology Management

2014-2015 first year, September

Quartile/ Code	Coursename	Exam	EC	Obligatory courses	recommended courses (electives)	Prior knowledge
1.1, sept						
191580900	equalization course (Operations Research Methods) *	S	5	P/H		
201300019	equalization course (Corporate Finance IEM MSc) *	S	5	F/H		
194121110	Introduction to Industrial Engineering and Management	PSS	5	F/P/H		
191506103	Statistics and probability (+)	S	5	F/P/H		
191860651	Micro Economics	S	5	F		
191820200	Discrete Optimization of Business Processes (1)	PSS	2,5	P/H		
191820210	Simulation (1)	PSS	2,5	P/H		
191820160	Purchasing	PSS	5		P	
1.2, nov						
	equalization course 2 *			F/P/H		
191800770	Empirical Research & Data Analysis	PSS	5	F/P/H		
201300060	Mathematical Finance	S	5	F		
191515101	Introduction to Risk Theory [Ⓟ]	s	5	F		
201400244	Cost Management and Engineering	PSS	5		F	
191820210	Simulation (2)	PSS	2,5	P/H		
191820200	Discrete Optimization of Business Processes (2)	PSS	2,5	P/H		
194112110	Health & Health Systems	PSS	5	H		
1.3, febr						
191530881	equalization course (Stochastic models of OM) *		5		P/H	
191860181	Risk Management	PSS	5	F		
201300062	Structured Products	S	5	F		
201300075	Management of Organisation, Operations and Technological Innovation	PSS	5		F/P/H	
201100163	Management of Technology for PLM	PSS	5	P		
191820190	Supply Chain - & Transport Management	PSS	5	P		
191852630	Reliability Engineering & Maintenance Management	PSS	5		P	
194121020	Optimization of Healthcare Processes	S	5	H	P	
193640070	Clinical Safety and Quality Assurance	PGI	5	H		
1.4, apr						
	elective	S	5		H	
201000202	Management Control for Financial Institutions	PSS	5	F		
201100162	Management of Technology for FEM	PSS	5	F		
194105070	Information Systems for the Financial Services Industry	PSS	5		F	
191852620	Advanced Production Planning	S	5	P		
191820120	Warehousing	PSS	5	P	H	
194122030	New Production Concepts	PSS	5		P	
192360501	E-health strategies	S	5	H		

second year					or study abroad	Prior knowlegde
2.1, sept						
194111220	Clinical efficacy & MTA	PGI	5		H	
	elective	PSS	5		F/P/H	
	elective	PSS	5		F/P	
191521800	Game Theory	S	5		F	
201000182	Management of Technology for Health Care	PSS	5	H		
194111210	Medical decision making	PSS	5		H	
2.2, nov						
or study abroad						
191864610	Organization & Strategy	S	5		F/P/H	
201200127	Preparation thesis PLM	P/F	5	P		
201200128	Preparation thesis FEM	P/F	5	F		
201200130	Preparation thesis HCTM	P/F	5	H		
201200138	Special topics in Financial Engineering	S	5	F		
191820180	Reverse Logistics & re-manufacturing	PSS	5		P	
194112170	Quality and Safety in Health Care	PSS	5		H	
2.3 + 2.4						
194100060	Master thesis		30	F/P/H		80 EC incl. preparation course

* equalization courses only for non BSc TBK students

(+) Students who already finished this course before the master, have to contact the specialisation coordinator

Ⓢ The course Introduction to Risk Theory will not be offered in 2014-2015.

WARNING If you consider going abroad for a semester obligatory courses should be planned carefully.

How to plan and choose:

- 1 Write down your obligatory specialization courses
- 2 Decide which electives you like to take, see "electives 2014-2015"
- 3 Complete your IEM study programme up to 120 EC with electives such as a) specialisation courses or b) other master courses IEM or c) Master courses from other technical Master program's or d) technical courses from other (inter)national Universities
- 4 Discuss your complete study programme (and your personal motivation) with your study counselor
- 5 Get a final approval from your specialisation coordinator (by email with a copy to the office of educational affaires and the study-counselor

Implementation of (inter)national courses needs approval from the specialisation coordinator and the exam committee.

If you have questions concerning the elective courses, personal issues, planning etc. please see your study counselor.

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generation 2014-2015 first year, February

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201300075	Management of Organisation, Operations and Technological Innovation	PSS	5		F/P/H	
191852630	Reliability Engineering & Maintenance Management	PSS	5		P	
	Elective		5		F/H	
	Elective		5		F/P/H	
1.2, apr	elective or abroad					
	equalization course 2 *				P/H/F	
	Elective		5		P/H	
	Elective		5		F/P/H	
194105070	Information Systems for the Financial Services Industry	PSS	5		F	
194122030	New Production Concepts	PSS	5		P	
1.3, sept						
194121110	Introduction to Industrial Engineering and Management	PSS	5	F/P/H		
191506103	Statistics and probability (+)	S	5	F/P/H		
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191521800	Game Theory	S	5		F	
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191820210	Simulation (1)	PSS	2,5	P/H		
191820160	Purchasing	PSS	5		P	
201100002	Health Care Purchasing	PSS	5		H	
201000182	Management of Technology for Health Care	PSS	5	H		
194111210	Medical decision making	PSS	5		H	
194111220	Clinical efficacy & MTA	PGI	5		H	
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second year						Prior knowlegde
2.1, febr						

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2.2, apr						
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201200128	Preparation thesis FEM	P/F	5	F		
201200130	Preparation thesis HCTM	P/F	5	H		
201100162	Management of Technology for FEM	PSS	5	F		
201000202	Management Control for Financial Institutions	PSS	5	F		
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Implementation of (inter)national technical courses needs approval from the specialisation coordinator and the exam committee.

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