

Industrial Engineering and Management February 2017

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

generation 2016-2017 first year, February

Quartile/ Code	Coursename	Exam	EC	Obligatory courses	Recommended courses (electives)	Prior knowledge
1.1, febr				elective or study abroad		
NEW	Methods for early health technology assessment	PSS	15			
191852630	Reliability Engineering & Maintenance Management	PSS	5			
201400174	Data Science	PSS	5			
192340101	Implementation of IT in organizations	5	5			
201600015	Strategic Technology Management and Innovation	5	5			
1.2, apr				elective or study abroad		
195820500	Infrastructure Management		7,5			
192376000	Business Case Development for IT Projects	PSS	5			
201000202	Management Control for Financial Institutions	PSS	5			
191820120	Warehousing	PSS	5			
194105070	Information Systems for the Financial Services Industry	PSS	5			
194122030	New Production Concepts	PSS	5			
1.3, sept						
191506103	Statistics and probability (+)	S	5	F/P/H		
191860651	Micro Economics	S	5	F		
191521800	Game Theory	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/H	
1.4, nov						
201300060	Mathematical Finance	S	5	F		
191515101	Introduction to Risk Theory	S	5	F		
201400174	Data Science (also offered in Febr.)	PSS	5	F/P/H		
191820210	Simulation (2)	PSS	2,5	P/H		
191820200	Discrete Optimization of Business Processes (2)	PSS	2,5	P/H		
201200138	Special topics in Financial Engineering	PSS	5		F	
201400244	Cost Management and Engineering	PSS	5		F	
191864610	Organization & Strategy	PSS	5		F/P/H	
191820180	Reverse Logistics & re-manufacturing	PSS	5		P	
201600032	Quality Management in Healthcare	PSS	5		H	
201600029	Finance and Healthcare Purchasing *	PSS	5		H	
second year						Prior knowlegde
2.1, febr						
191860181	Risk Management	PSS	5	F		
201300062	Structured Products	S	5	F		
191820190	Supply Chain - & Transport Management	PSS	5	P		
194121020	Optimization of Healthcare Processes	S	5	H	P	
192340101	Implementation of IT in organizations	5	5		H	
194105070	Information Systems for the Financial Services Industry	PSS	5		F	
2.2, apr						
201000202	Management Control for Financial Institutions	PSS	5	F		
201100162	Management of Technology for FEM	PSS	5	F		
201200128	Preparation thesis FEM	BAHL	5	F		
201200127	Preparation thesis PLM	BAHL	5	P		
201200130	Preparation thesis HCTM	BAHL	5	H		
191852620	Advanced Production Planning	S	5	P	H	
191820120	Warehousing	PSS	5	P	H	
192360501	E-health strategies	S	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. Other students to discuss with specialization coordinator

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

** Students who study abroad during the second years first semester, are exempted from this obligatory course.					
Contact the specialisation coordinator for approval of your study program					
WARNING	If you consider going abroad for a semester obligatory courses should be planned carefully.				
How to plan your program					
All students join obligatory courses in the first quartile. During this first quartile you discuss your ideas about your individual program with you specialization coordinator. Draft your plan:					
1 Write down your obligatory specialization courses					
2 Complete your IEM study program up to 120 EC with:					
a) equalization courses, to discuss with the specialization coordinator					
b) other technical UT master courses (i.c. IEM)					
c) master courses from other (inter)national technical Master program's					
3 Discuss your complete study program (and your personal motivation) with your study counselor					
4 Get a final approval from your specialization coordinator					
Implementation of non-technical or (inter)national courses need approval from the specialization coordinator and the exam committee.					