

Structure of Curriculum: Master of Science *Quantitative Economics*

Modules	Courses	SWS*	ECTS credits per module	ECTS credits per section	
Compulsory section in Economics				28	
Advanced Microeconomics	4 lect + 2 tut	6	10		
Advanced Macroeconomics	4 lect + 2 tut	6	10		
Econometrics I	3 lect + 2 tut	5	8		
Compulsory section in Quantitative Methods				24	48
Advanced Statistics I	3 lect + 2 tut	5	8		
Advanced Statistics II	3 lect + 2 tut	5	8		
Econometrics II	3 lect + 2 tut	5	8		
Optional section in Quantitative Methods				8	
Applied Empirical Methods					
• AEM-lecture 1 (see below)	2 lect	2	4		
• AEM-lecture 2(see below)	2 lect	2	4		
Optional section in Economics				16	
Optional module WEcon I					
• lecture + tutorial	2 lect + 2 tut	4	6		
• lecture	2 lect	2	4		
• seminar	Sem.	2	6		
Minor subject				14	
- Business - Sociology - Political Sciences - Agricultural Economics - Business Information Systems - Computer Sciences - Empirical Economics**				Varies for the different minor subjects. ** Currently, Empirical Economics is the only minor subject where English as the language of instruction can be guaranteed.	
Master's thesis			30	30	

*"Semesterwochenstunden" = weekly 45-minute teaching for the duration of one semester of about 12 teaching weeks.

Optional module <i>Applied Empirical Methods</i> in the optional section in Quantitative Methods	
2 courses (AEM-lecture 1 and 2) have to be chosen from the following catalogue:	
<ul style="list-style-type: none"> • Microeconometrics • Panel Data Models • Multivariate Methods • Labor Econometrics • Applied Time Series Analysis • Portfolio Analysis 	<ul style="list-style-type: none"> • A Practical Course in Empirical Economics • Simulation Based Inference • Econometrics for Financial Markets • Statistics for Financial Markets • Spatial Econometrics • Advanced Topics in Empirical Economics
Optional module <i>WEcon-i</i> in the optional section in Economics	
Applied Microeconomics 10 credits for courses from: <ul style="list-style-type: none"> • Industrial Organization • New Institutional Economics • General Equilibrium Analysis • Innovation Economics • Behavioral and Neuroeconomics • Experimental Economics • Advanced Topics in Microeconomics 6 credits for a seminar from this module	Macroeconomics and Growth 10 credits for courses from: <ul style="list-style-type: none"> • Applied Monetary Economics • Macroeconomic Dynamics & Optimal Monetary Policy • Economic Growth • International Monetary Policy • Advanced Topics in Macroeconomics 6 credits for a seminar from this module
	Public Economics 10 credits for courses from: <ul style="list-style-type: none"> • Public Economics • Health Economics • Economics of Risk & Uncertainty • Measuring Inequality • Advanced Topics in Public Economics 6 credits for a seminar from this module
Theory of Financial Economics 10 credits for courses from: <ul style="list-style-type: none"> • International Financial Markets • Theory of Financial Markets • Pricing in Derivative Markets • Foreign Exchange Markets –Theory • Applied Econometrics of Foreign Exchange Markets • Advanced Topics in Financial Economics 6 credits for a seminar from this module	Environmental and Resource Economics 10 credits for courses from: <ul style="list-style-type: none"> • Climate and Energy Policy • Environmental Economics • Environmental Valuation • Resource Economics • Theories of Distributive Justice • Advanced Topics in Environmental and Resource Economics 6 credits for a seminar from this module
International Economics 10 credits for courses from: <ul style="list-style-type: none"> • Advanced International Trade I • Advanced International Trade II • Multinational Enterprises • Advanced Topics in International Economics 6 credits for a seminar from this module	Spatial Economics 10 credits for courses from: <ul style="list-style-type: none"> • Spatial Economics • Spatial Econometrics • Advanced Topics in Spatial Economics 6 credits for a seminar from this module