

## I. Scope of the Master's examination

	Components	Credits	Semester
1.	Course-related examinations for the acquisition of credits in the required modules	12	1 <sup>st</sup> Semester
2.	Course-related examinations for the acquisition of credits in the elective modules from the core area	48	1 <sup>st</sup> /2 <sup>nd</sup> Semester
3.	Course-related examinations for the acquisition of credits in the elective modules from the elective area	30	3 <sup>rd</sup> Semester
4.	Master's Thesis according to § 46	30	4 <sup>th</sup> Semester

## I. Exam modules

### Required Modules

Students must successfully complete 12 credits from the following required modules.

Module no.	Module name	Type of module	Teaching method SWS/ V Ü P	Sem.	SWS	Credits	Type of examination	Duration of examination	Language of instruction
WI001287	Basics of FIM	Required	6 V	1. Sem	6	6	Written exam	60	Englisch
WI001271	Entrepreneurship	Required	4 S	2. Sem	4	6	exam courses	n.a.	Englisch

### Elective modules from the core area

At least 48 credits must be selected from the core area within the framework of the elective modules. These examination credits can be partially completed at the University of Bayreuth. These modules are accordingly assigned a module number beginning with the abbreviation WIBT. The applicable elective module catalog will be announced by the Faculty of Business and Economics in a suitable manner in good time before the start of lectures.

Module no.	Module name	Type of module	Teaching method SWS/ V Ü P	Sem.	SWS	Credits	Type of examination	Duration of examination	Language of instruction
WI001267	Advanced Corporate Finance	Elective	V+Ü	1. Sem	4	6	Written exam	60	English
WI001268	Venture Capital	Elective	4 V	2. Sem	4	6	Written exam	120	English

WI000234	Value Based Management	Elective	2 V+ 2 Ü	2. Sem	4	6	Written exam	120	English
WI001269	International Accounting	Elective	2 V	1. Sem	2	6	Written exam	60	English
WI001270	Behavioral Finance	Elective	4 V	2. Sem	4	6	Research paper	n.a.	English
WI100180	Business Plan - Advanced Course	Elective	4 S	2. Sem	4	6	Research paper	n.a.	English
IN2028	Business Analytics	Elective	2V+ 2Ü	1. Sem	4	6	Written exam	90	English
WI001272	Machine Learning	Elective	V +Ü	2. Sem	4	6	Research paper	n.a.	English
WIBT0001	Business Process Management & Digital Innovation	Elective	V+Ü	1. Sem	4	6	mündliche Prüfung	20	English
WIBT0002	Digital Energy Management	Elective	V+Ü	1. Sem	4	6	Written exam	90	English
WIBT0003	Digital Disruption, Innovation and Transformation	Elective	S	2. Sem	4	6	Research paper	n.a.	English
MA9972	Discrete Time Finance	Elective	2 V + 2Ü	1. Sem	4	6	Written exam	60 - 90	English
MA9973	Continuous Time Finance	Elective	2 V + 2 Ü	2. Sem	4	6	Written exam	60 - 90	English

### Elective modules from the elective area

Within the framework of the elective modules from the elective area, at least one module from three of the four areas must be selected. In addition, further elective modules from the entire elective catalog must be selected from the elective area. A total of 30 credits from the elective catalog must be successfully completed. These examination credits can be partially completed at the University of Bayreuth. These modules are accordingly assigned a module number beginning with the abbreviation WIBT. This exemplary elective module catalog is continuously updated; the applicable elective module catalog will be announced by the Faculty of Business and Economics in a suitable manner in good time before the start of lectures.

### Elective modules from the field of quantitative finance

Module no.	Module name	Type of module	Teaching method SWS/ V Ü P	Sem.	SWS	Credits	Type of examination	Duration of examination	Language of instruction
MA9976	Financial Econometrics	Elective	3 V	3. Sem	3	6	Written exam	90	English
MA3405	Insurance Mathematics 1	Elective	4 V + 2 Ü	3. Sem	6	6	Written exam	n.n	English
MA3703	Fixed Income Markets	Elective	2 V + 1 Ü	3. Sem	3	6	Written exam	60	English
MA9982	Trading Seminar	Elective	1 S	3. Sem	1	3	Written exam	90	English

MA9981	Investment Risk Management	Elective	2 V + 1 Ü	3. Sem	3	3	Research paper	n.a.	English
MA9977	Applied Capital Markets	Elective	4 V	3. Sem	2	3	Written exam	60	English
WIB06771	Cases in Finance (Seminar)	Elective	4 S	3. Sem	4	3	Research paper	n.a.	English
MA5709	Investment Strategies	Elective	2 V + 1 Ü	3. Sem	3	6	Written exam	60	English
MA5415	Quantitative Risk Management	Elective	2 V + 1 Ü	3. Sem	3	6	Written exam	60	English
WIHN0020	Empirical Research Methods in Finance	Elective	4 S	3. Sem	4	6	Research paper	n.a.	English
WI000092	Banking and Risk Management	Elective	2 V	3. Sem	2	3	Written exam	60	English
WI001275	Applied Econometrics	Elective	2 V + 2Ü	3. Sem	4	6	Research paper	n.a.	English
WI001273	Advanced Econometrics	Elective	2 V + 2Ü	3. Sem	4	6	Research paper	n.a.	English

### Elective modules from the field of Financial Management

Module no.	Module name	Type of module	Teaching method SWS/ V Ü P	Sem.	SWS	Credits	Type of examination	Duration of examination	Language of instruction
MA9976	Financial Econometrics	Elective	3 V	3. Sem	3	6	Written exam	90	English
MA9982	Trading Seminar	Elective	1 S	3. Sem	1	3	Written exam	90	English
MA9981	Investment Risk Management	Elective	2 V + 1 Ü	3. Sem	3	3	Research paper	n.a.	English
MA9977	Applied Capital Markets	Elective	4 V	3. Sem	2	3	Written exam	60	English
WIB06771	Cases in Finance (Seminar)	Elective	4 S	3. Sem	4	3	Research paper	n.a.	English
WIHN0020	Empirical Research Methods in Finance	Elective	4 S	3. Sem	4	6	Research paper	n.a.	English
WI000092	Banking and Risk Management	Elective	2 V	3. Sem	2	3	Written exam	60	English
WI001187	Private Equity	Elective	2 V + 2Ü	3. Sem	4	6	Written exam	60	English

WI001275	Applied Econometrics	Elective	2 V + 2Ü	3. Sem	4	6	Research paper	n.a.	English
WI001273	Advanced Econometrics	Elective	2 V + 2Ü	3. Sem	4	6	Research paper	n.a.	English
IN2359	Blockchain-based Systems Engineering	Elective	4 V	3. Sem	4	6	Written exam	60	English
IN2211	Auction Theory & Market Design	Elective	2 V + 2Ü	3. Sem	4	6	Written exam	90	English
WI001276	Digitalization in Finance & Accounting	Elective	2 S	3. Sem	2	3	Research paper	n.a.	English
WI001280	FinTech in Consumer Finance (Seminar)	Elective	4 S	3. Sem	4	3	Research paper	n.a.	English
WIBT0006	Emerging Digital Technologies	Elective	V	3. Sem	4	6	Research paper	n.a.	English
WI000231	Asset Management	Elective	2V + 2Ü	3. Sem	4	6	Written exam	120	English
WIHN0012	Digital Finance	Elective	4 V	3. Sem	4	6	Written exam	90	English

### Elective modules from the field of Business & Information Systems Engineering

Module no.	Module name	Type of module	Teaching method SWS/ V Ü P	Sem.	SWS	Credits	Type of examination	Duration of examination	Language of instruction
MA9976	Financial Econometrics	Elective	3 V	3. Sem	3	6	Written exam	90	English
WI001275	Applied Econometrics	Elective	2 V + 2Ü	3. Sem	4	6	Research paper	n.a.	English
IN2359	Blockchain-based Systems Engineering	Elective	4 V	3. Sem	4	6	Written exam	60	English
IN2211	Auction Theory & Market Design	Elective	2 V + 2Ü	3. Sem	4	6	Written exam	90	English
WI001276	Digitalization in Finance & Accounting	Elective	2 S	3. Sem	2	3	Research paper	n.a.	English
WI001280	FinTech in Consumer Finance (Seminar)	Elective	4 S	3. Sem	4	3	Research paper	n.a.	English

WIBT0006	Emerging Digital Technologies	Elective	V	3. Sem	4	6	Research paper	n.a.	English
WI000231	Asset Management	Elective	2V + 2Ü	3. Sem	4	6	Written exam	120	English
WIHN0012	Digital Finance	Elective	4 V	3. Sem	4	6	Written exam	90	English
WIBT0004	Business & Information Systems Engineering	Elective	n.n S	3. Sem	2	3	Research paper	n.a.	English
WIBT0006	Emerging Digital Technologies	Elective	V	3. Sem	4	6	Research paper	n.a.	English
WIBT0007	IT Due Diligence & Audit	Elective	V + Ü	3. Sem	2	3	Written exam	n.n	English
IN2087	SEBA Master - Web Application Engineering	Elective	4 V	3. Sem	4	6	Project work	n.a.	English
IN2323	Machine Learning for Graphs and Sequential Data	Elective	4V	3. Sem	4	6	Written exam	75	English

### Elective modules from the field of Sustainability and Technology

Module no.	Module name	Type of module	Teaching method SWS/ V Ü P	Sem.	SWS	Credits	Type of examination	Duration of examination	Language of instruction
MA9976	Financial Econometrics	Elective	3 V	3. Sem	3	6	Written exam	90	English
WI001275	Applied Econometrics	Elective	2 V + 2Ü	3. Sem	4	6	Research paper	n.a.	English
WI000813	Technology Entrepreneurship Lab	Elective	4 S	3. Sem	4	6	Project work	n.a.	Englisch
WI001180	Tech Challenge	Elective	4 S	3. Sem	4	6	Project work	n.a.	Englisch
IN2359	Blockchain-based Systems Engineering	Elective	4 V	3. Sem	4	6	Written exam	60	English
IN2211	Auction Theory & Market Design	Elective	2 V + 2Ü	3. Sem	4	6	Written exam	90	English
WIBT0006	Emerging Digital Technologies	Elective	V	3. Sem	4	6	Research paper	n.a.	English
WIBT0004	Business & Information Systems Engineering	Elective	n.n S	3. Sem	2	3	Research paper	n.a.	English
WIBT0006	Emerging Digital Technologies	Elective	V	3. Sem	4	6	Research paper	n.a.	English

WI001279	Energy Economics	Elective	2 V +2 Ü	3. Sem	4	6	Written exam	120	Englisch
WIB36001	Seminar Finance & Accounting: Electricity Market Economics	Elective	4 S	3. Sem	4	3	Research paper	n.a.	Englisch

### Master's Thesis

Module no.	Module name	Type of module	Teaching method SWS/ V Ü P	Sem.	SWS	Credits	Type of examination	Duration of examination	Language of instruction
	Master's Thesis (Master Finance and Information Management)	Required		4. Sem.		30			Englisch

### Explanations:

Sem. = Semester; SWS = Semesterwochenstunden (Semester hours per week); V = Vorlesung (Lecture); Ü = Übung (Exercise); VI = Vorlesung mit integrierter Übung (Lecture with integrated exercise); P = Praktikum (Internship), S = Seminar;

ZV = Zulassungsvoraussetzung (Admission requirement) (siehe § 43 Abs. 1)

In the column "duration of examination", the examination duration in minutes is listed for written and oral examinations.