Faculty of Economic Sciences, University of Warsaw Master's Programme Curriculum

Field of study: Quantitative Finance - full-time studies

Academic year 2025/2026

For those students, who did not get respective credits during undergraduate studies (obligation to complete in the first year):

Occupational Safety and Health (OSH) (there is a possibility of using credits received within the last five years at selected UW faculties)	hours	4	ECTS	0,5	
Intellectual Property Protection (IPP)	hours	6	ECTS	0,5	

				Year			Year			
No	Course name	Course type	hours/	hours/ I		l II		II total	total hours/	Form of credit
140	course name		ECTS	1	2	3	4	ECTS credits	rom or create	
Α	General Courses									
	General elective course (OGUN) humanistic profile	Lecture/ Seminar	hours	30			30	60	Credit	
1		classes	ECTS	3		20	3	6	Credit	
2	Elective course (IT tools) - wybór z akrualnej oferty wydziału	Seminar classes	hours ECTS			<i>30</i>		30	Project	
	Total of hours in the group of courses		2013	30	0	30	30	90		
	ECTS of credits in the group of courses			3	0	3	3	9		
В	Core courses		la access	20				20		
3	Statistics & Econometrics	Lecture	hours ECTS	30 2				30	Written exam	
			hours	30				30	WHEEH EXUIT	
4	Introduction to Quantitative Finance	Lecture	ECTS	3				3	Written exam	
F	Mathematical Methods for Finance	Lecture	hours hours	30 30				60	M/ritton over	
5	Mathematical Methods for Finance	Practical classes	ECTS	6				6	Written exam	
		Lecture	hours		30			60	Written exam,	
6	Time Series Analysis	Practical classes	hours ECTS		30 6			6	project	
		Lecture	hours		D	30		_		
7	Quantitative Strategies. High Frequency Data	Practical classes	hours			30		60	Written exam	
		Practical classes	ECTS			6		6		
	Total of hours in the group of courses			120	60	60	0	240		
С	ECTS of credits in the group of courses Field -of study courses			11	6	6	0	23		
	Tield -of study courses	Lecture	hours	30						
8	Financial Statement Analysis		hours hours	15				45	Written exam	
	,	Practical classes	ECTS	6				6	Written exam	
			hours	30				30		
9	Ethical Standards and Financial Law	Lecture	ECTS	3				3	Written exam	
			hours	30				30	Written exam,	
10	Asset Allocation and Investment Strategies	Seminar classes	ECTS	3				3	project	
		Lecture								
11	Machine Learning in Finance I	Lecture	hours	15 15				20	Written exam,	
		lab.	hours ECTS	4				30 4	project	
		Lecture	hours	,	30			45		
12	Equity and Fixed Income	Practical classes	hours		15			45	Written exam	
		Tractical classes	ECTS		5			5		
		Lecture	hours		30			45		
13	Derivatives Markets	Practical classes	hours		15				Written exam	
		Lastina	ECTS		4			4		
14	Corporate Finance	Lecture	hours hours	-	30 15			45	Written exam	
		Practical classes	ECTS		4			4		
16	Computational Finance	Practical classes	hours		30			30	Practical exam,	
17	Popraducible Poscarsh	Cominar alassas	ECTS hours		5 30			30	project	
17	Reproducible Research	Seminar classes	ECTS		3	30		3 30	Project	
18	Risk Analysis and Modelling I	Seminar classes	hours ECTS			5		5	Written exam	
19	C++ in Quantitative Finance I	Practical classes	hours			30 4		30 4	Written exam	
			ECTS hours			30		30		
	Theory and practice of option pricing	Practical classes	ECTS			6 30		6 30	Written exam	
21	Machine Learning in Finance II	Lab.	hours ECTS			30		3	Written exam	
22	Risk Analysis and Modelling II	Seminar classes	hours				30	30 4	Written exam	
Щ.	·	1	ECTS				4	4	vviitteii exam	

23	C++ in Quantitative Finance II	Seminar classes	hours ECTS				30 4	30 4	Written exam
	Elective course (economics &finance) Students choose 1 out of 3 courses offered in the spring		hours				30	30	
25	semester (1x30h): Advanced Macroeconomics, Empirics of Financial Markets, Venture Capital and Private Equity	Seminar classes	ECTS				3	3	Credit
26	AL	Described alarma	hours				30	30	
26	Algorithmic Trading System	Practical classes	ECTS				5	5	Written exam
	Total of hours in the group of courses			135	195	120	120	570	
	ECTS of credits in the group of courses			16	21	18	16	71	
D	Master Thesis Seminar								
27	Master Thesis Seminar	Seminar			30	30	30	90	Credit
27	Waster Mesis Seminar	Seminal	ECTS		3	3	11	17	Credit
	Total of hours in the group of courses			0	30	30	30	90	
	ECTS of credits in the group of courses			0	3	3	11	17	
	Total of hours			285	285	240	180	990	
	ECTS of credits			30	30	30	30	120	