
(NMgr) Programme Economics and Finance (NP_MEF)

Master's Programme: Economics and Finance

Academic year 2024/2025

Master in Economics and Finance (MEF) is a two-year English-language program accredited by the Czech Ministry of Education. The program equips the student with a thorough understanding and advanced skills in theoretical and applied economics and finance. English is the only language of instruction.

The program director and coordinator is [doc. Bc. Jiří Novák, M.Sc., Ph.D.](#)

For more information, visit the webpage of Faculty of Social Sciences:

- [program description](#)
- [terms and conditions for the applicants](#)
- [how to apply](#)

Program structure:

- 3 compulsory courses (9-10 ECTS credits each): 28 credits
- 2 compulsory seminars (10 ECTS credits each): 20 credits
- core and other elective courses: minimum 60 credits, of which at least 36 credits from the group of core elective courses
- optional courses: maximum 12 credits
- Master Thesis

Final exam:

(JDIP01) Master's Thesis Defense

(JSZ659) General Discussion

WS = Winter Semester (Oct - Feb), **SS** = Summer Semester (Feb - June).

Compulsory Courses: (J#0730)

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Code	Course title	Course leader	Semester	Hours per week	Course assessment	ECTS credit points
JEM213	Master's Thesis Seminar I	Schwarz Havránek Havránková	WS/SS	0/2	Course credit	10
JEM214	Master's Thesis Seminar II	Schwarz Havránek Havránková	WS/SS	0/2	Course credit	10
JEM215	Advanced Microeconomics	Gregor	WS	2/2	Examination	9
JEM216	Advanced Macroeconomic	Horváth	WS	2/4	Examination	10
JEM217	Advanced Econometrics	Baruník	WS	2/2	Examination	9

Total: 48

Prerequisites, co-requisites, incompatibility, interchangeability for compulsory courses

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Code	Course title	Pre-requisite	Co-requisite	Interchangeability	Incompatibility
JEM214	Master's Thesis Seminar II	JEM213			
JEM215	Advanced Microeconomics				JEM003

JEM216	Advanced Macroeconomics				JEM004
JEM217	Advanced Econometrics				JEM005

Core Elective Courses: (J#073123)

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Code	Course title	Course leader	Semester	Hours per week	Course assessment	ECTS credit points
JEM007	Applied Microeconometr	Pertold-Gebicka	SS	2/2	Examination	6
JEM027	Monetary Economics	Holub	WS	2/2	Examination	6
JEM032	Banking and Risk Management	Geršl Pečená	WS	2/2	Examination	6
JEM034	Corporate Finance	Geršl	WS	2/2	Examination	6
JEM035	Financial Markets Instruments I	Dědek	WS	2/2	Examination	6
JEM036	Financial Markets Instruments II	Dědek	SS	2/2	Examination	6
JEM037	Financial Markets	Kočenda	WS	2/2	Examination	6
JEM059	Financial Econometrics I	Vácha Baruník	SS	2/2	Examination	6
JEM092	Asset Pricing	Čech	SS	2/2	Examination	6
JEM101	Health Economics	Bertoli Votápková	SS	2/2	Examination	6
JEM111	International Macroeconomic and Finance	Holub	SS	2/2	Examination	6
JEM116	Applied Econometrics	Horváth Baruník Kukačka	SS	2/2	Examination	6
JEM123	Development Economics	Bauer	WS	2/2	Examination	6
JEM132	Company Valuation	Novák	WS	2/2	Examination	6
JEM142	Banking and Financial Regulation	Tůma Dvořák	SS	2/2	Examination	6
JEM158	Tools for Modern Macroeconomet	Baxa Vácha	SS	2/2	Examination	6
JEM184	New Keynesian DSGE Modelling	Žáček	WS	2/2	Examination	6
JEM203	Public Economics	Janský	SS	2/1	Examination	6
JEM208	Health Econometrics	Bertoli	WS	2/2	Examination	6

JEM218	<u>Environmental Economics and Behavior</u>	<u>Ščasný</u>	SS	2/0	Examination	6
JEM220	<u>Data Science with R II</u>	<u>Krištofuk</u>	SS	2/0	Examination	6
JEM227	<u>Data Science with R I</u>	<u>Krištofuk</u>	WS	2/0	Examination	6
JEM228	<u>Systemic Risk and Macroprudential Policy</u>	<u>Geršl</u>	SS	2/2	Examination	6

Prerequisites, co-requisites, incompatibility, interchangeability for core elective courses

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Code	Course title	Pre-requisite	Co-requisite	Interchangeability	Incompatibility
JEM034	Corporate Finance			JEM187 JEM188 JEM189	
JEM092	Asset Pricing				JEM186
JEM111	International Macroeconomics and Finance	JEM216			
JEM218	Environmental Economics and Behavior				JEM115
JEM220	Data Science with R II	<u>J#R073</u>			
JEM227	Data Science with R I				JEM181 JEM221

Other Elective Courses: (J#073224)

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Code	Course title	Course leader	Semester	Hours per week	Course assessment	ECTS credit points
JEB044	<u>Financial Accounting</u>	<u>Novák</u>	WS	2/2	Examination	6
JEM012	<u>European Economic Policies</u>	<u>Komárek</u>	SS	2/0	Examination	5
JEM013	<u>Game Theory</u>	<u>Janda</u>	SS	2/2	Examination	6
JEM019	<u>Statistical Methods for Data Analysis</u>	<u>Hlávka</u>	SS	2/2	Examination	6
JEM020	<u>Ethics and Economics</u>	<u>Cahlík</u>	WS	2/2	Examination	6
JEM061	<u>Financial Econometrics II</u>	<u>Baruník Vácha</u>	WS	2/2	Examination	6
JEM062	<u>Introductory Econometrics</u>	<u>Kukačka</u>	WS	2/2	Examination	6
JEM126	<u>Empirical Law and Economics</u>	<u>Dušek</u>	SS	2/0	Examination	5
JEM128	<u>Financial Modelling Using MS Excel and VBA</u>	<u>Jakubík</u>	SS	1/1	Examination	4

JEM131	<u>Antitrust Economics</u>	<u>Vacek</u>	SS	2/0	Examination	5
JEM159	<u>International Commercial Dispute Resolution</u>	<u>Hülle</u>	SS	2/0	Examination	4
JEM175	<u>Intermediate Microeconomics I</u>	<u>Šťastná</u>	SS	4/2	Examination	6
JEM176	<u>Intermediate Microeconomics II</u>	<u>Chytilová</u>	WS	4/2	Examination	6
JEM177	<u>Intermediate Macroeconomics I</u>	<u>Horváth</u>	WS	2/2	Examination	6
JEM178	<u>Intermediate Macroeconomics II</u>	<u>Horváth</u>	SS	2/2	Examination	6
JEM185	<u>Microeconomics of Banking</u>	<u>Geršl Janda</u>	SS	2/0	Examination	6
JEM198	<u>Bank Asset and Liability Management</u>	<u>Kuc Kotlán</u>	SS	2/0	Examination	5
JEM201	<u>Internship</u>	<u>Geršl</u>	WS/SS	0/4	Course credit	3
JEM207	<u>Data Processing in Python</u>	<u>Hanus</u>	WS/SS	2/2	Examination	5
JEM229	<u>Treasury Management</u>	<u>Ranostaj</u>	SS	2/0	Examination	5
JEM230	<u>Advanced Topics in Corporate Finance</u>	<u>Geršl Curi</u>	WS	3/3	Course credit	3
JEM231	<u>Mergers and Acquisitions</u>	<u>Fidrmuc Gregor</u>	WS	3/3	Course credit	3
JEM232	<u>Financial Crisis and Risk Management</u>	<u>Horváth</u>	WS/SS	6/0	Course credit	3
JEM233	<u>FinTech and Blockchain</u>	<u>Gregor Colak</u>	SS	6/0	Course credit	3
JEM234	<u>Version Control with Git</u>	<u>Hronec</u>	WS	5/2	Course credit	3
JEM235	<u>Traditional and Alternative Risk Transfer in the Insurance Sector</u>	<u>Teplý Pompella</u>	WS	2/0	Course credit	3
JEM236	<u>Risk Management and Insurance</u>	<u>Kukačka</u>	SS	6/0	Course credit	3
JEM333	<u>Energy Markets & Economics</u>	<u>Valíčková Elms</u>	SS	2/2	Course credit	3
JEM334	<u>Fiscal Policy, Public Debt and</u>	<u>Schneider</u>	SS	3/3	Course credit	3

	Sovereign Debt Ratings					
JEM336	Private Equity	Fencel	SS	1/1	Course credit	3
JEM337	Financial Accounting	Novák	WS	2/2	Examination	6
JEM338	Asset Allocation - Topics and Applications	Čech	WS	6/0	Course credit	3
JEM339	Sustainable Finance and ESG	Gregor Teplý	WS	2/0	Examination	5
JLM057	Academic Writing for Masters	Goodall	SS	0/2	Course credit	3

The following four courses can only be taken by students who have not studied the Bachelor in Economics and Finance (BEF) at the IES FSV UK:

- JEM175 Intermediate Microeconomics I
- JEM176 Intermediate Microeconomics II
- JEM177 Intermediate Macroeconomics I
- JEM178 Intermediate Macroeconomics II

Prerequisites, co-requisites, incompatibility, interchangeability for other elective courses

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Code	Course title	Pre-requisite	Co-requisite	Interchangeability	Incompatibility
JEB044	Financial Accounting				JEM337
JEM020	Ethics and Economics				JPB338
JEM128	Financial Modelling Using MS Excel and VBA				JEM189
JEM177	Intermediate Macroeconomics I				JEB114
JEM178	Intermediate Macroeconomics II				JEB115
JEM185	Microeconomics of Banking				JEM113
JEM198	Bank Asset and Liability Management				JEM197
JEM232	Financial Crisis and Risk Management				JEM199
JEM233	FinTech and Blockchain				JEM205
JEM234	Version Control with Git				JEM224
JEM333	Energy Markets & Economics				JEM162
JEM334	Fiscal Policy, Public Debt and				JEB129

	Sovereign Debt Ratings				
JEM336	Private Equity				JEM161
JEM337	Financial Accounting				JEB044

Optional Courses:

Any course offered by any Department at Charles University or at partner universities.

Study plan code:

J24NPMEF1674