

# (NMgr) Programme Economics and Finance (NP\_MEF)

## Master's Programme: Economics and Finance

Academic year 2021/2022

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 is [doc. PhDr. Adam Geršl Ph.D.](#)

Program coordinator is [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 Macroeconomics	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
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JEM214	Master's Thesis Seminar II	JEM213			
JEM215	Advanced Microeconomics				JEM003
JEM216	Advanced Macroeconomics				JEM004
JEM217	Advanced Econometrics				JEM005

**Core Elective Courses: (J#0731)**

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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	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	Horvát 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 Bechný	WS	2/2	Examination	6

JEM203	<u>Public Economics</u>	<u>Janský</u>	SS	2/1	Examination	6
JEM208	<u>Health Econometrics</u>	<u>Bertoli</u>	WS	2/2	Examination	6
JEM218	<u>Environmental Economics</u>	<u>Ščasný</u>	SS	2/0	Examination	6
JEM220	<u>Data Science with R II</u>	<u>Krištoufek</u>	SS	2/0	Examination	6
JEM227	<u>Data Science with R I</u>	<u>Krištoufek</u>	WS	2/0	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	<u>J#R079</u>			
JEM218	Environmental Economics				JEM115
JEM220	Data Science with R II	<u>J#R073</u>			
JEM227	Data Science with R I				JEM181 JEM221

**Other Elective Courses: (J#0732)**

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Code	Course title	Course leader	Semester	Hours per week	Course assessment	ECTS credit points
JEM012	<u>European Economic Policies</u>	<u>Komárek</u>	SS	2/0	Examination	5
JEM013	<u>Game Theory</u>	<u>Gregor</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
JEM161	<u>Private Equity</u>	<u>Fencel</u>	SS	1/1	macc	4

JEM162	Energy Markets & Economics	Valíčková	WS	2/2	Examination	4
JEM175	Intermediate Microeconomics I	Šťastná	SS	4/2	Examination	6
JEM176	Intermediate Microeconomics II	Chytilová	WS	4/2	Examination	6
JEM177	Intermediate Macroeconomics I	Horváth Kudashvili	WS	2/2	Examination	6
JEM178	Intermediate Macroeconomics II	Horváth Kudashvili	SS	2/2	Examination	6
JEM183	Mathematical Methods in Macroeconomics	Vošvrda Stráský	WS	2/2	Examination	6
JEM185	Microeconomics of Banking	Geršl Janda	SS	2/0	Examination	6
JEM198	Bank Asset and Liability Management	Walos Kotlán	SS	2/0	Examination	5
JEM201	Internship	Geršl	WS/SS	0/4	Course credit	3
JEM207	Data Processing in Python	Čech Macháček Hronec	WS/SS	2/0	Examination	5
JEM228	Systemic Risk and Macroprudential Policy	Geršl	SS	2/2	Examination	6
JEM229	Treasury Management	Ranostaj	SS	2/0	Examination	5
JEM230	Advanced Topics in Corporate Finance	Geršl Curi	WS	3/3	Course credit	3
JEM231	Mergers and Acquisitions	Fidrmuc Gregor	WS	3/3	Course credit	3
JEM232	Financial Crisis and Risk Management	Horváth	WS/SS	6/0	Course credit	3
JEM233	FinTech and Blockchain	Gregor Colak	SS	6/0	Course credit	3
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
JEM020	Ethics and Economics				JPB338
JEM128	Financial Modelling Using MS Excel and VBA				JEM189
JEM177	Intermediate Macroeconomics I				JEB114
JEM178	Intermediate Macroeconomics II				JEB115
JEM183	Mathematical Methods in Macroeconomics			JEM096	JEM096
JEM185	Microeconomics of Banking				JEM113
JEM198	Bank Asset and Liability Management				JEM197
JEM232	Financial Crisis and Risk Management				JEM199
JEM233	FinTech and Blockchain				JEM205

**Optional Courses:**

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

**Study plan code:**

J21NPMEF1374