

# (NMgr) Programme 6201T009: Economics and Finance (MEF)

## Master's Programme 6201T009: Economics and Finance

Academic year 2020/2021

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.**

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

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

### Program structure:

- 5 compulsory courses (6-9 ECTS credits each): 33 credits
- 2 compulsory seminars (6-9 ECTS credits each): 15 credits
- elective courses: minimum 60 credits
- optional courses: maximum 12 credits
- Master Thesis

### Final exam:

(JDIP01) Master's thesis defence

### Compulsory Courses: J#006818

<!--dg:select1:006818:2020:2024:en-->

Code	Course title	Course leader	Semester	Hours per week	Course assessment	ECTS credit points
JEM001	Master's Thesis Seminar I	Havránek Havránková Schwarz	WS/SS	0/2	Course credit	6
JEM002	Master's Thesis Seminar II	Havránek Havránková Schwarz	WS/SS	0/2	Course credit	9
JEM004	Advanced Macroeconomic	Baxa Hromádková	WS	2/4	Examination	9
JEM005	Advanced Econometrics	Baruník	WS	2/2	Examination	6
JEM032	Banking and Risk Management	Geršl Pečená	WS	2/2	Examination	6
JEM037	Financial Markets	Kočenda	WS	2/2	Examination	6
JEM185	Microeconomics of Banking	Janda	SS	2/0	Examination	6

Total: 48

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

### 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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JEM001	Master's Thesis Seminar I			JEM124	JEM124
JEM002	Master's Thesis Seminar II	JEM001		JEM125	JEM125
JEM004	Advanced Macroeconomics				JEM216
JEM005	Advanced Econometrics				JEM217
JEM185	Microeconomics of Banking				JEM113

### Elective Courses: J#012620

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Code	Course title	Course leader	Semester	Hours per week	Course assessment	ECTS credit points
JEB112	Strategic Management	Balcar	SS	2/2	Examination	6
JEB129	Fiscal Policy, Public Debt and Sovereign Debt Ratings	Schneider	SS	3/1	macc	2
JEB141	Introduction to Market Design	Kastl Gregor	WS	3/0	Examination	2
JEB153	Introductory Banking	Pečená	SS	2/2	Examination	6
JEM003	Advanced Microeconomics	Janda	WS	2/2	Examination	6
JEM007	Applied Microeconometr	Pertold-Gebicka	SS	2/2	Examination	6
JEM012	European Economic Policies	Komárek	SS	2/0	Examination	5
JEM013	Game Theory	Janda	SS	2/2	Examination	6
JEM017	Business Cycles Theory	Vošvrda Baxa	WS	2/2	Examination	6
JEM020	Ethics and Economics	Cahlík	WS	2/2	Examination	6
JEM027	Monetary Economics	Holub	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
JEM059	Financial Econometrics I	Vácha Baruník	SS	2/2	Examination	6
JEM061	Financial Econometrics II	Baruník Vácha	WS	2/2	Examination	6
JEM062	Introductory Econometrics	Baruník Kukačka	WS	2/2	Examination	6

JEM092	Asset Pricing	Čech	SS	2/2	Examination	6
JEM100	Corporate Governance		SS	0/2	Examination	4
JEM101	Health Economics	Votápková	SS	2/2	Examination	6
JEM111	International Macroeconomics and Finance	Holub	SS	2/2	Examination	6
JEM115	Environmental Economics	Ščasný	SS	2/0	Examination	5
JEM116	Applied Econometrics	Horváth Baruník Kukačka	SS	2/2	Examination	6
JEM123	Development Economics	Bauer	WS	2/2	Examination	6
JEM126	Empirical Law and Economics	Dušek	SS	2/0	Examination	5
JEM128	Financial Modelling Using MS Excel and VBA	Jakubík	SS	1/1	Examination	4
JEM129	Introduction to International Investment Protection	Sekanina	SS	2/0	Examination	4
JEM131	Antitrust Economics	Vacek	SS	2/0	Examination	5
JEM132	Company Valuation	Novák	WS	2/2	Examination	6
JEM137	Real Estate Investment	Streblov	WS	2/0	Examination	4
JEM140	Quantitative Multivariate Finance	Burda	SS	2/0	Examination	3
JEM141	Traditional and Alternative Risk Transfer in the Insurance Sector	Teplý Pompella	WS	2/0	macc	2
JEM142	Banking and Financial Regulation	Tůma Dvořák	SS	2/2	Examination	6
JEM158	Tools for Modern Macroeconomet	Baxa Vácha	SS	2/2	Examination	6
JEM159	International Commercial Dispute Resolution	Hülle	SS	2/0	Examination	4
JEM160	Robust statistics and econometrics	Křehlík	SS	2/0	Examination	6
JEM161	Private Equity	Fencí	SS	1/1	macc	4

JEM162	Energy Markets & Economics	Valíčková Elms	SS	2/2	Examination	4
JEM171	Financial Derivatives	Babiak	SS	2/2	Examination	6
JEM173	Topics in Macroeconomics	Kudashvili	SS	2/2	Examination	6
JEM175	Intermediate Microeconomics I	Chytilová	SS	4/2	Examination	6
JEM176	Intermediate Microeconomics II	Chytilová	WS	4/2	Examination	6
JEM177	Intermediate Macroeconomics I	Horváth	WS	2/2	Examination	6
JEM178	Intermediate Macroeconomics II	Horváth	SS	2/2	Examination	6
JEM183	Mathematical Methods in Macroeconomics	Stráský	WS	2/2	Examination	6
JEM184	New Keynesian DSGE Modelling	Malovaná	SS	2/2	Examination	6
JEM198	Bank Asset and Liability Management	Kuc Kotlán	SS	2/0	Examination	5
JEM199	Financial Crisis and Risk Management	Horváth	WS/SS	6/0	macc	2
JEM201	Internship	Geršl	WS/SS	0/4	Course credit	3
JEM203	Public Economics	Janský Palanský	SS	2/1	Examination	6
JEM205	FinTech and Blockchain	Gregor Colak	SS	6/0	macc	2
JEM206	Introduction into Health Economics	Stavrunova	WS	4/0	macc	2
JEM207	Data Processing in Python	Hanus	WS/SS	2/2	Examination	5
JEM208	Health Econometrics	Bertoli	WS	2/2	Examination	6
JEM220	Data Science with R II	Křištofuk	SS	2/0	Examination	6
JEM221	Data Science with R I	Křištofuk	WS	2/0	Examination	5
JEM224	Version Control with Git	Hronec	SS	5/2	macc	2
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
JEM234	Version Control with Git	Hronec	WS	5/2	Course credit	3
JEM236	Risk Management and Insurance	Kukačka	SS	6/0	Course credit	3
JEM333	Energy Markets & Economics	Valíčková Elms	SS	2/2	Course credit	3
JEM334	Fiscal Policy, Public Debt and Sovereign Debt Ratings	Schneider	SS	3/3	Course credit	3
JEM336	Private Equity	Fencel	WS	1/1	Course credit	3
JEM338	Asset Allocation - Topics and Applications	Čech	WS/SS	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

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

<!--dg:rekv:012620:2024:en-->

Code	Course title	Pre-requisite	Co-requisite	Interchangeability	Incompatibility
JEB129	Fiscal Policy, Public Debt and Sovereign Debt Ratings				JEM334
JEB153	Introductory Banking				JEB126
JEM003	Advanced Microeconomics				JEM215
JEM020	Ethics and Economics				JPB338
JEM034	Corporate Finance			JEM188 JEM187 JEM189	
JEM092	Asset Pricing				JEM186
JEM100	Corporate Governance				JEM188

JEM111	International Macroeconomics and Finance	JEM216			
JEM115	Environmental Economics				JEM218
JEM128	Financial Modelling Using MS Excel and VBA				JEM189
JEM161	Private Equity				JEM336
JEM162	Energy Markets & Economics				JEM333
JEM173	Topics in Macroeconomics			JEM097	JEM097
JEM177	Intermediate Macroeconomics I				JEB114
JEM178	Intermediate Macroeconomics II				JEB115
JEM183	Mathematical Methods in Macroeconomics			JEM096	JEM096
JEM198	Bank Asset and Liability Management				JEM197
JEM199	Financial Crisis and Risk Management				JEM232
JEM220	Data Science with R II	J#R073			
JEM221	Data Science with R I				JEM181 JEM227
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 Sovereign Debt Ratings				JEB129
JEM336	Private Equity				JEM161

**Optional Courses:**

Any Master-level course. Optional courses can be taken at any faculty of the Charles University or at partner universities.

**Kód plánu**

J20MEF1208