

# M.Sc. Economics

Univ.-Prof. Dr. Matthias Neuenkirch

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# Outline

## 1. Overview

## 2. Modules and Majors

## 3. Double Degree

## 4. Miscellaneous

## M.Sc. Economics

- General economics Master's program with interdisciplinary specializations (political science, business administration, sociology).
- Six different **majors**:
  - (1) International Political Economy
  - (2) International Labor Markets and Innovation
  - (3) International Finance
  - (4) European Social Security and Health Systems
  - (5) Econometrics and Applied Statistics
  - (6) Environment and Sustainability
- Joint master program **M.A. International Economics and Public Policy** with the department of political science.

# Profile

- Duration of program: 2 years.
- One semester can be spent abroad (DAAD scholarship holders: DAAD agreement is required).
- Double degree option for the M.Sc. Economics in cooperation with the **University of Warsaw** and the **University of Bergamo**.
- Language of instruction: **English**.
- Preparatory course: Mathematics for Economists.
- Academic **Mentoring**.

## Structure

- Master's program is decomposed into **modules**.
- Most modules last one semester, few modules last two semesters.
- Modules have a weight of **5** or **10 credit points** (CP);  
in German: Leistungspunkte (LP).
- Only exception: Master's thesis (30 CP).
- 120 CP must be completed.
- When the examination of a 10 CP module is passed, grade has a weight of 10/120 in the overall grade.

## Example for the Calculation of the Overall Grade

Module	CP	Weight	Grade	Weighted Grade
Advanced Microeconomics	10	10/120	1.7	0.142
Advanced Macroeconomics	10	10/120	1.3	0.108
Econometrics	10	10/120	1.3	0.108
Empirical Labor Economics	10	10/120	2	0.167
Monetary Policy and the EMU	5	5/120	2.7	0.113
Special Topics of Monetary Policy	5	5/120	2	0.083
European Energy Markets	10	10/120	2	0.167
Political Economics	10	10/120	2	0.167
Applied Time Series Econometrics	5	5/120	1.3	0.054
Applied Macroeconometrics	5	5/120	1	0.042
East Asian Politics and Governance	10	10/120	1.7	0.142
Master Thesis	30	30/120	1.7	0.425
<b>Overall Grade</b>	<b>120</b>			<b>1.72</b>

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## Compulsory Modules (60 CP)

- Modules of the **first** semester:
  - (1) Advanced Microeconomics (10 CP)
  - (2) Advanced Macroeconomics (10 CP)
  - (3) Econometrics (10 CP)
- Master's thesis (30 CP) in the **fourth** semester.



## Elective Modules (60 CP)

- During the **second** and **third** semester, students have to choose modules for 60 CP.
- If **at least 30 CP** belong to one of the majors below, the student obtains a degree with a distinct major, e.g., M.Sc. Economics – International Political Economy.
- However, students can also finish their studies without a distinct major.

## International Political Economy

- (1) Political Economics (10 CP, **compulsory**)
  - (2) International Trade (10 CP, **compulsory**)
  - (3) Research Techniques and Methods (10 CP, Pol. Sci.)
  - (4) East Asian Politics and Governance (10 CP, Pol. Sci.)
  - (5) European Politics and Governance (10 CP, Pol. Sci.)
  - (6) European/East Asian Political Economy (10 CP, Pol. Sci.)
  - (7) Global Governance (10 CP, Pol. Sci.)
  - (8) European Law (10 CP, Pol. Sci.)
- ⇒ Students have to choose modules (1) and (2) as well as one of the modules (3)–(8) for the major **International Political Economy**.

# International Labor Markets and Innovation

- (1) Incentives in Organizations and Innovation (10 CP, **compulsory**)
  - (2) Applied Microeconometrics Using Stata (10 CP)
  - (3) Empirical Labor Economics (10 CP)
  - (4) International Labor Markets (10 CP)
- ⇒ Students have to choose module (1) as well as two of the modules (2)–(4) for the major **International Labor Markets and Innovation**.

## International Finance

- (1) Monetary Policy and the EMU (5 CP)
  - (2) Special Topics of Monetary Policy (5 CP)
  - (3) International Macroeconomics (5 CP)
  - (4) Special Topics in International Macroeconomics (5 CP)
  - (5) Applied Financial Econometrics (5 CP)
  - (6) Applied Macroeconometrics (5 CP)
  - (7) Applied Time Series Econometrics (5 CP)
  - (8) Special Topics in Applied Econometrics (5 CP)
  - (9) Quantitative Trading with R (10 CP)
  - (10) Finance A – D (10 CP **each**, Bus. Adm.)
- ⇒ Students have to choose 30 CP for the major **International Finance** with up to 10 CP coming from modules (10).

## European Social Security and Health Systems

- (1) Ökonomik des Wohlfahrtsstaates (10 CP, **compulsory**)
  - (2) Gesundheitsökonomik (10 CP, **compulsory**)
  - (3) Soziologische Theorie und Gesellschaftsanalyse (10 CP, Sociol.)
  - (4) Fortgeschrittene Datenerhebungs- und Datenanalyseverfahren (10 CP, Sociol.)
  - (5) Institutionen der Wirtschaft (10 CP, Sociol.)
  - (6) Sozialpolitik und Ungleichheit (10 CP, Sociol.)
  - (7) Arbeit, Organisation und Gesellschaft (10 CP, Sociol.)
- ⇒ Students have to choose modules (1) and (2) as well as one of the modules (3)–(7) for the major **European Social Security and Health Systems**.

## Econometrics and Applied Statistics

- (1) Elements of Statistics and Econometrics (10 CP, Stat.)
- (2) Statistical Programming with R (5 CP, Stat.)
- (3) Monte Carlo Simulation Methods (5 CP, Stat.)
- (4) General Statistics #1 – #2 (10 CP **each**, Stat.)
- (5) Survey Sampling (5 CP, Stat.)
- (6) EMOS Core Module (10 CP, Stat.)
- (7) Specialisation Survey Statistics #1 – #4 (5 CP **each**, Stat.)
- (8) Specialisation Survey Statistics: Seminar (5 CP, Stat.)
- (9) Applied Financial Econometrics (5 CP)
- (10) Applied Time Series Econometrics (5 CP)
- (11) Applied Macroeconometrics (5 CP)
- (12) Special Topics in Applied Econometrics (5 CP)

⇒ Students have to choose 30 CP for the major **Econometrics and Applied Statistics** with up to 10 CP coming from modules (9)–(12).

# Environment and Sustainability

- (1) International Energy Markets (10 CP, **compulsory**)
  - (2) International Environmental Economics (10 CP, **compulsory**)
- ⇒ Students have to choose both modules and 10 CP from the M.Sc. Environmental Sciences (freier Wahlbereich) for the major **Environment and Sustainability**.

## Further Electives

- Students may also choose up to 20 CP out of the following modules or from the "freier Wahlbereich der Masterstudiengänge."
  - (1) Applied Intertemporal Optimization (10 CP)
  - (2) Industrial Organization (10 CP)
  - (3) Research Project (10 CP)
  - (4) Advanced Topics in Economic Analysis I (5 CP)
  - (5) Advanced Topics in Economic Analysis II (10 CP)



## Additional Courses

- Students may choose additional modules of up to 20 CP.
- These do **not count** for the **overall grade**, but **can be listed** in the **diploma**.
- Students have to explicitly state this in the registration process **before** taking part in an exam.

## Degree M.Sc. Economics

When you have completed

- (1) the three compulsory modules,
- (2) 60 CP in electives with or without a distinct major,
- (3) and the Master's thesis,

you will be awarded the degree **M.Sc. Economics**.

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## General Information

- **First year** at Universität **Trier**: 60 CP.
- **Application** for admission to double Master's degree program after first semester.
- **Second year** at **partner** university: 60 CP.
- Master's thesis supervised by a professor from Trier and a professor from partner university (Bergamo or Warsaw).
- Two Master's degrees:
  - (1) Trier: M.Sc. Economics (European Economic Integration)
  - (2) Warsaw: Master in International Economics **or**  
Bergamo: Master in Economics and Data Analysis
- Contact: Univ.-Prof. Dr. Xenia Matschke, Ph.D.  
(matschke@uni-trier.de).

# Warsaw



## Brief information on Warszawa

- Largest and most populous city of Poland (ca. 1.7 mn inhabitants).
- Dynamic and growing city in the midst of Europe.
- Cultural, economic, and political center of Poland.
- Direct flights from Luxembourg to Warsaw.
- Old town – UNESCO world cultural heritage.
- Biggest university in Poland.
- Department of Economics ranked first in Poland (RePEc ranking).

# Bergamo (Università degli Studi di Bergamo)



## Brief Information on Bergamo

- With around 119,000 citizens an important regional center of Lombardy in the North of Italy.
- Only 50 km away from Milan, situated at the border between the Alps and Padan Plain.
- Airport with direct connections from Luxembourg and Hahn.
- Wonderful medieval old town, lying on a hill.
- University ranked in the top half of 39 Italian universities listed in the Times Higher Education Ranking.



## Language Courses

- English is language of instruction in Trier and at partner universities.
- For daily life during the year abroad, some knowledge of national language highly recommended.
- Both beginner's Polish and beginner's Italian are offered at Universität Trier.
- Partner universities also offer intensive language courses during the summer.

# Application

- Application to **double master program**:
  - ▶ E-mail to [matschke@uni-trier.de](mailto:matschke@uni-trier.de) to state your interest.
  - ▶ For provisional admission, you need to have at least completed two compulsory modules by the end of the winter semester.
  - ▶ By the end of the summer semester, you must have completed 60 ECTS (including the three compulsory courses).

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## Support

- Each student has a professor as academic mentor.
- Mentoring relationship lasts throughout entire course of the master program.
- Mentor's main task is to help students with their academic planning.
- Mentor can also be contacted in case of serious other problems or worries.
- Foreign students should first contact **Juan Renè Rojas Rodriguez**, M.Sc. (msc.economics@uni-trier.de).

## Further Information

- Detailed up-to-date information can be found at the homepage of the Economics Master's Program:

<https://www.uni-trier.de/universitaet/fachbereiche-faecher/fachbereich-iv/faecher/volkswirtschaftslehre/studium/studiengaenge/msc-economics>