MASTER WELCOME EVENT
FALL TERM 2021/22
M.Sc. Economics

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Academic Director M.Sc. Economics
What to expect today ...

1. Economics at the University of Cologne

2. Structure of the Economics programme
   a. Time line of the programme
   b. Fields of specialisation and supplementary section
   c. Further options (Study abroad, optional courses from other programmes)

3. Sample study plan: recommendations for your first semester

4. Your questions and discussion
Economics at University of Cologne

1. Large and internationally known faculty in many areas of microeconomics, macroeconomics, and econometrics and statistics.

2. Broad Areas of Specialisation are:
   - Market Design and Behavior
   - Markets and Economic Policy
   - Empirical Methods and Data Analysis
   - Energy and Climate Change

3. Integration of other Subjects: Management, Political Science and Sociology

4. Faculty is expanding further with special funded „cluster of excellence“ with University of Bonn: more courses, more fields, more faculty
Job Opportunities

- Public sector
  - Ministries and government agencies (BMWi, NRW, ...)
  - Central banks (Bundesbank, ECB, ...)
  - International institutions (EU Commission, WTO, ILO,...)
  - Research institutes (DIW, Ifo, ZEW,...)

- Private sector
  - Almost every company
  - (Investment) Banks
  - Consultancies
  - Economic departments of large enterprises
  - Policy institutes (IW)
Programme structure, MSc Economics

An introductory Core Section of Modules (i.e., lectures) in the first semester

- Mathematics, Microeconomics, Macroeconomics, Econometrics/Statistics

Specialization Section (lectures and seminars), organized around three major themes:

- Market Design and Behavior
- Markets and Economic Policy
- Empirical Methods and Data Analysis

The Supplementary Section in Economics allows you to choose economics modules from any above field plus courses from our special modules in Energy and Climate Change.

A Supplementary Section in Management and Social Science allows you to choose modules from other areas of the faculty: political science, management, and sociology
Programme structure MSc Economics

Core Section
24 CP

Supplementary Section 36 CP

Specialisation Section 30 CP
Economics
Management, Social Science

Master Thesis
30 CP
Programme structure Economics: Core Section

Introduction to advanced methods and knowledge common to economists

<table>
<thead>
<tr>
<th>Group</th>
<th>Module</th>
<th>ECTS</th>
<th>CC/EC</th>
<th>Required ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core Section</td>
<td>CM Mathematics</td>
<td>6</td>
<td>CC</td>
<td>24</td>
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<tr>
<td></td>
<td>CM Microeconomics</td>
<td>6</td>
<td>CC</td>
<td></td>
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<tr>
<td></td>
<td>CM Macroeconomics</td>
<td>6</td>
<td>CC</td>
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<td></td>
<td>CM Econometrics</td>
<td>6</td>
<td>CC</td>
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All these modules are required. Typically taken in first semester, plus one specialized course.
Programme Structure Economics: Specialization Section

**Empirical Methods and Data Analysis:** Microeconometrics, Panel Data Analysis, Time Series Econometrics, Statistical Inference, Stochastic Models and Processes, Statistical Analysis of Financial Data, Bayesian Econometrics

**Market Design and Behavior:** Information and Strategy, Economic Engineering, Economics of Innovation, Contract Theory, Auction Theory, Corporate Taxation, ...

**Markets and Economic Policy:** Money and Financial Markets, Growth, Inequality and Structural Change, Development Economics, Macroeconomics of the Labor Market, Growth in Economic History

With of these comes one seminar and one additional methods module: Experimental Economics, Computational Economics or Empirical Methods (a second seminar will have to be chosen as a supplementary module).
Programme Structure: Supplementary Section Economics

- you find specialized courses on Energy Economics and Climate change

**Energy and Climate Change:** Energy Markets and Regulation; Growth, Energy, Climate Change; Quantitative Methods in Energy Economics, Climate Change Strategy (Model UNFCCC),

You find here also all of the courses from the specialisation section, so that you can combine your specialisation with specific courses of your interest.

You can also elect selected courses from the Advanced Research Master in Economics:

<table>
<thead>
<tr>
<th>Course</th>
<th>EC</th>
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<tbody>
<tr>
<td>SpM Market Design and Mechanism Design</td>
<td>6</td>
</tr>
<tr>
<td>SpM Political Economics and Media Economics</td>
<td>6</td>
</tr>
<tr>
<td>SpM Frictions, Technology, and Inequality</td>
<td>6</td>
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</tbody>
</table>
In the Supplementary Section Management and Social Sciences ...

... you can choose modules from other fields of the Faculty

**Management:** Accounting, Corporate Development, Finance, Marketing, Supply Chain Management, and Information Systems

**Political Science**

**Sociology**

**And more interesting areas:** Economic Geography, Economic Psychology, and Media and Technology Management
Programme structure Economics: Studies abroad

Studies abroad can be integrated into your study plan by a special module:

![Diagram showing Studies Abroad in Economics (Master) module]

You can trade courses from the supplementary section Economics with this Study Abroad module. For a full semester abroad the supplementary section allows 12 extra ECTS credit points taken from the supplementary section Management and Social Science.
Programme structure: Master Thesis

The Master Thesis is your personal scientific investigation using the methods of economics

- topic is found in consultation with your thesis advisor
- 30 Credit points
- six months
- it can be original theoretical or empirical research on an interesting economic issue with the methods acquired during your studies.
(4) Recommendations for your study plan

M.Sc. Programme Economics

1. Semester
- Core Module Mathematics: CC 1314MBMAT1, 6 CP
- Core Module Microeconomics: CC 1289MBMIC1, 6 CP
- Core Module Macroeconomics: CC 1302MBMAC1, 6 CP
- Core Module Econometrics: CC 1314MBECO1, 6 CP
- Specialisation Module (1/3): EC, 6 CP

2. Semester
- Advanced Module Methods: CC, 6 CP
- Specialisation Module Seminar: CC, 6 CP
- Supplementary Module Economics Seminar: CC 1287MBEC1, 6 CP
- Supplementary Module Economics (1/3): EC, 6 CP
- Specialisation Module (2/3): EC, 6 CP

3. Semester
- Supplementary Module Management and Social Sciences: EC, 12 CP
- Supplementary Module Economics (2/3): EC, 6 CP
- Supplementary Module Economics (3/3): EC, 6 CP
- Specialisation Module (3/3): EC, 6 CP

4. Semester
- Master Thesis Economics: CC 1287MMECO1, 30 CP

Sections: Core, Specialisation, Supplementary
(4) Recommendations for your study plan (with study abroad)

<table>
<thead>
<tr>
<th>Semester</th>
<th>Core Module</th>
<th>Specialisation Module</th>
<th>Supplementary Module</th>
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<tbody>
<tr>
<td>1. Semester</td>
<td>Core Module Mathematics</td>
<td>Core Module Microeconomics</td>
<td>Core Module Macroeconomics</td>
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<td></td>
<td>CC 1314MBMAT1 6 CP</td>
<td>CC 1289MBMIC1 6 CP</td>
<td>CC 1302MBMAC1 6 CP</td>
</tr>
<tr>
<td>2. Semester</td>
<td>Advanced Module Methods</td>
<td>Specialisation Module Seminar</td>
<td>Supplementary Module Economics Seminar</td>
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<tr>
<td></td>
<td>CC 6 CP</td>
<td>CC 6 CP</td>
<td>CC 1287MESEC1 6 CP</td>
</tr>
<tr>
<td>3. Semester</td>
<td>Supplementary Module Economics – Studies Abroad</td>
<td>Supplementary Module Management and Social Sciences – Studies Abroad</td>
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<tr>
<td></td>
<td>EC</td>
<td>EC</td>
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<tr>
<td>4. Semester</td>
<td>Master Thesis Economics</td>
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<tr>
<td></td>
<td>CC 1287MMEC01</td>
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Sections: Core, Specialisation, Supplementary
Programme structure: Practical issues

- Teaching in this semester will be partly online and offline (in class).
  - The University did its best to use its facilities to a maximum within the boundaries set by Federal and State Laws regarding Corona.
- Teaching material will be provided on the Ilias online platform
- Examinations are planned to be offline, that is, at the university
- Start studying from Day 1:
  - Some methods and topics require getting used to
  - There may be methods and topics you need to catch up
- Ask the Lecturers questions early on
Time for your questions and discussion
WiSo Student Service Point
advice and service in one place

0049 221 470 8818
Mo - Thu 9 am - 5 pm
Fr 9 am - 4 pm

E-mail via contact form:
www.wiso.uni-koeln.de/enquiry

In case of further questions please contact: