Master’s Programs

Department of Economics

M.Sc. Economics
M.Sc. Environmental and Resource Economics
M.Sc. Quantitative Economics
M.Sc. Quantitative Finance

Dr. Sonja Köke (Study Coordination)
March 7th, 2024: 9:30 – 10:00 (online)

Slides are available here:
https://www.wiso.uni-kiel.de/en/study/news
Programme Structure

- We offer four Master’s programs in the domain of economics, with different specializations.
- Duration: 4 semesters (= 2 years)
- Language (teaching and exams): English
- Admission requirements:
  - Bachelor’s degree
  - Minimum grade: 2.5 (German scale)
  - Specific combination of modules
  - For details see Examination Regulations (FPO) of the specific programme
Programs

Economics
• Large selection of elective modules specializing in different domains of economics

Quantitative Economics
• Focus: Statistics and econometric methods

Environmental and Resource Economics
• Focus: Environmental and Resource Economics

Quantitative Finance
• Focus: Applied financial economics
• Cooperation with the Department of Mathematics
Who are you? What do you want?

- Let me ask you a few questions in order to know what to focus on
# Master Economics

https://www.wiso.uni-kiel.de/en/study/master/economics

<table>
<thead>
<tr>
<th>1st Semester</th>
<th>2nd Semester</th>
<th>3rd Semester*</th>
<th>4th Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Advanced Microeconomics</strong> (12 ECTS)</td>
<td><strong>Compulsory Elective Lecture Economics</strong> (6 ECTS)</td>
<td><strong>Compulsory Elective Lecture Economics</strong> (6 ECTS)</td>
<td><strong>Compulsory Elective Lecture Economics</strong> <strong>(18 ECTS)</strong></td>
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<tr>
<td><strong>Economic Dynamics</strong> (6 ECTS)</td>
<td><strong>Compulsory Elective Lecture Economics</strong> (6 ECTS)</td>
<td><strong>Advanced Macroeconomics</strong> (6 ECTS)</td>
<td><strong>Compulsory Elective Seminar Economics</strong> (6 ECTS)</td>
</tr>
<tr>
<td><strong>Econometric Methods</strong> (6 ECTS)</td>
<td><strong>Time Series Econometrics (6 ECTS) or Microeconometrics (6 ECTS)</strong></td>
<td><strong>Compulsory Elective Seminar Economics</strong> (6 ECTS)</td>
<td><strong>Compulsory Elective Supplementary Subjects</strong> (6 ECTS)</td>
</tr>
<tr>
<td><strong>Research and Scientific Writing in Economics</strong> (6 ECTS)</td>
<td><strong>Compulsory Elective Supplementary Subjects</strong> (6 ECTS)</td>
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<td><strong>Compulsory Elective Supplementary Subjects</strong> (6 ECTS)</td>
</tr>
</tbody>
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* Mobility window (suitable for semesters abroad)

** There are two options for the Master’s thesis. Option 1: The Master’s thesis is completed with 18 ECTS credits and two further modules from the Compulsory Elective Section Economics are completed (according to the regulations in § 11). Option 2: The Master’s thesis is completed with 30 ECTS credits.
## Master Quantitative Economics

https://www.wiso.uni-kiel.de/en/study/master/quantitative-economics

<table>
<thead>
<tr>
<th>Semester</th>
<th>Advanced Microeconomics (12 ECTS)</th>
<th>Economic Dynamics (6 ECTS)</th>
<th>Econometric Methods (6 ECTS)</th>
<th>Probability Calculus (6 ECTS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3rd Semester *</td>
<td></td>
<td></td>
<td>Bayesian Econometrics (6 ECTS)</td>
<td>Nonparametric Statistics (6 ECTS)</td>
</tr>
<tr>
<td>4th Semester</td>
<td>Master’s Thesis (30 ECTS)</td>
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</tbody>
</table>

* Mobility window (suitable for semesters abroad)
### Master Environmental and Resource Economics

https://www.wiso.uni-kiel.de/en/study/master/environmental-resource

<table>
<thead>
<tr>
<th>1st Semester</th>
<th>2nd Semester</th>
<th>3rd Semester</th>
<th>4th Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resource Economics** (6 ECTS)</td>
<td>Advanced Microeconomics (12 ECTS)</td>
<td>Economic Dynamics (6 ECTS)</td>
<td>Econometric Methods (6 ECTS)</td>
</tr>
<tr>
<td>Environmental Economics** (6 ECTS)</td>
<td>Environmental Valuation (6 ECTS)</td>
<td>Research and Scientific Writing in Economics (6 ECTS)</td>
<td>Compulsory Elective Supplementary Subjects (6 ECTS)</td>
</tr>
<tr>
<td>Compulsory Elective Lecture ERE (6 ECTS)</td>
<td>Compulsory Elective Seminar ERE (6 ECTS)</td>
<td>Compulsory Elective Seminar Economics / ERE / AEM (6 ECTS)</td>
<td>Compulsory Elective Lecture Economics (6 ECTS)</td>
</tr>
<tr>
<td>Master’s Thesis (18 ECTS) ***</td>
<td>Compulsory Elective Supplementary Subjects (6 ECTS)</td>
<td>Compulsory Elective Supplementary Subjects (6 ECTS)</td>
<td>Compulsory Elective Lecture Economics *** (6 ECTS)</td>
</tr>
<tr>
<td>Master’s Thesis (30 ECTS) ***</td>
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<td></td>
</tr>
</tbody>
</table>

ERE = Environmental and Resource Economics; AEM = Applied Empirical Methods

* Mobility window (suitable for semesters abroad)
** Environmental Economics and Resource Economics can be offered either in summer term or in winter term but not less than once per academic year. Each of the modules will be offered at least every other semester.
*** There are two options for the Master's thesis. Option 1: The Master's thesis is completed with 18 ECTS credits and two further modules from the Compulsory Elective Section Economics and/or the Supplementary Studies are completed (according to the regulations in §11). Option 2: The Master's thesis is completed with 30 ECTS credits.
# Master Quantitative Finance

[https://www.wiso.uni-kiel.de/en/study/master/quantitative-finance](https://www.wiso.uni-kiel.de/en/study/master/quantitative-finance)

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course 1</th>
<th>Course 2</th>
<th>Course 3</th>
<th>Course 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>3rd</td>
<td>Compulsory Elective Specialization in Mathematical Finance (6 LP)</td>
<td>Compulsory Elective Seminar ** (6 LP)</td>
<td>Compulsory Elective Financial Economics &amp; Corporate Finance (6 LP)</td>
<td>Compulsory Elective Supplementary Subjects (6 LP) ****</td>
</tr>
<tr>
<td>4th</td>
<td>Master’s Thesis (18 LP) ***</td>
<td>Compulsory Elective Financial Economics &amp; Corporate Finance (6 LP) ***</td>
<td>Compulsory Elective Supplementary Subjects (6 LP) <strong>/</strong>* ****</td>
<td></td>
</tr>
</tbody>
</table>

* = Mobilitätsfenster (für Auslandsemester geeignet)


*** = Es gibt zwei Optionen für die Masterarbeit. Option 1: die Masterarbeit wird mit 18 LP erbracht. Option 2: Die Masterarbeit wird mit 30 LP erbracht, dann entfallen 12 LP aus den Compulsory Elective Sections (die Regelungen in §11 müssen dabei eingehalten werden).

**** = Das Supplementary Subjects kann vollständig durch Module der anderen Compulsory Elective Bereiche ersetzt werden (im Rahmen der Regelungen von §11).
At the bottom of these websites...

- Examination Regulations - Fachprüfungsordnung (FPO) (german) 2021
- Examination Regulations (english) 2021
- Module Manual (only english)
- Long term planning of course offer

- Corona-Pandemic
- First Semester: getting started
- International Students
- Contact persons
- Examinations, Seminars, Master-Thesis
- Legal documents
- Exchange Semester
- Further Information

Information for prospective students
Questions regarding the study program, course structure, examination regulations, modules…

**Economics, Master**

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**Environmental and Resource Economics, Master**

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*Olat Course* MA Programme Quantitative Finance
Exchange Programmes

- Partner Universities - in more than 30 countries:
  - France: Université Paris 1 Panthéon-Sorbonne
  - Sweden: Stockholms universitet
  - Spain: Universidad Autónoma de Madrid
  - …and many more

- Learning Agreement: Recognition of credits earned abroad
- Language Acquisition: Local language courses
- Financial Support: Monthly grant (level depends on university location)
- Information/Application: https://www.erasmus-vwl.uni-kiel.de
FACHSCHAFT WISO
Student Board of the Faculty

https://fswiso-kiel.com/home
Outlook: After the Master’s degree…

- **Doctoral Programme**

- **Job market**
  - Theoretical knowledge (analytical thinking, understanding of aggregate economic relationships) & quantitative skills (Statistics, Econometrics, Machine Learning) are highly demanded
  - Private Sector (Banks, Insurance, Consulting, Journalism)
  - Public Sector (Government, Central Banks, Statistical Offices)
  - Int. Organisations (ECB, EU-Commission, IMF, World Bank)
  - NGOs
  - ...
Questions?

Slides will be provided here: https://www.wiso.uni-kiel.de/en/study/news

www.vwl.uni-kiel.de
www.wiso.uni-kiel.de