Study plan
M.Sc. Applied Economics and Data Science
1st October 2023

<table>
<thead>
<tr>
<th>4. Semester</th>
<th>Master Thesis 24 CP</th>
<th>Research Colloquium 6 CP</th>
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<tbody>
<tr>
<td>Summer term</td>
<td>Possibility for a term abroad</td>
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<tr>
<th>2. Semester</th>
<th>Economics II* 6 CP</th>
<th>Economics III* 6 CP</th>
<th>Specialization I* 6 CP</th>
<th>Empirical Methods II* 6 CP</th>
<th>Data Science II* 6 CP</th>
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<tr>
<td>Winter term</td>
<td>wir873 Applied Economics 6 CP</td>
<td>wir895 Industrial Organization 6 CP</td>
<td>Specialization II* 6 CP</td>
<td>Specialization III* 6 CP</td>
<td>Data Science III* 6 CP</td>
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Please note that the study plan is nonbinding and for guidance only. It illustrates the recommended course of studies based on the legally binding examination regulations (2023).

* See list of eligible elective modules on page 2.
(1) Economics Modules (in total 36 credit points)

wir874  Advanced Microeconomics Wt (compulsory)
wir895  Industrial Organization Wt (compulsory)
wir873  Applied Economics Wt (compulsory)
wir760  Computable General Equilibrium Analysis Wt (elective)
wir889  Applied Environmental Economics St (elective)
wir893  Development Economics St (elective)
wir821  International Trade, Production and Change St (elective)
wir823  International Finance and Exchange Rate Economics Wt (elective)
wir901  Environmental Economics Wt (elective)
wir890  Climate Economics Wt (elective)
wir878  Public Economics and Market Design St (elective)

(2) Empirical Methods Modules (in total 18 credit points)

wir894  Econometrics of Policy Evaluation Wt (compulsory)
wir875  Forecasting Methods Wt (elective)
wir892  Computational Economics St (elective)
wir897  Spatial Econometrics St (elective)
wir888  Applied Econometrics Using GIS Techniques Wt (elective)
wir887  Advanced Econometrics St (elective)
wir891  Complex Data Analysis St (elective)

Wt: module is regularly offered in the winter terms
St: module is regularly offered in the summer terms
**: modules for recognition of examinations abroad (cf. examination regulations)

(3) Data Science modules (in total 18 credit points)

inf040  Introduction to Data Science, irregular interval (elective)
inf604  Business Intelligence I Wt (elective)
inf607  Business Intelligence II St (elective)
inf535  Computational Intelligence I Wt (elective)
inf536  Computational Intelligence II St (elective)
inf962  Fundamental Competences in Computing Science III: Algorithms and computational Problem Solving Wt (elective)

(4) Specialization Modules (in total 18 credit points)

wir896  Operations Management Wt, every two years (elective)
wir899  Supply Chain Management Wt, every two years (elective)
wir921  Sustainable Supply Chain Management St (elective)
wir842  Banking St (elective)
wir843  Financial Risk Management St (elective)
wir886  Digital Transformation: Strategies and Sustainability St (elective)
inf510  Energy Information Systems Wt (elective)
wir806  Information Technology Law Wt (elective)
wir898  Strategic Sustainability Management St or Wt (elective)
wir751  Study Abroad I **
wir752  Study Abroad II **
wir753  Study Abroad III **