Course Catalogue

for the Master’s Programme in Social and Economic Data Analysis

First Year/Second Year

Winter Semester 2017/2018

Version: 20/10/2017
Course Advice for Students of the Master's Programme in Social and Economic Data Analysis

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Student Course Guidance:  
Franziska Fobbe  
Email: seda.msc@uni-konstanz.de

Dates of the Winter Semester 2017/2018

Welcome Programme for new Master’s students: Monday, 16th October 2017
Lectures begin: Monday, 23rd October 2017
Lecture-free period: Wednesday, 22nd December 2017 – Sunday, 7th January 2018
Lectures end: Friday, 17th February 2018

Registration period of the Department of Economics:

Seminar registration period for Summer Semester 2018: Tuesday, 23rd January – Monday, 29th January 2018
Exam Registration period: Tuesday, 23rd January – Monday, 29th January 2018
Examination period I: Wednesday, 14th February – Saturday, 03rd March 2018
Exam Registration period II: Tuesday, 20th March – Monday, 26th March 2018
Examination period II: Wednesday, 4th April – Saturday, 21st April 2018

Examination Dates: www.wiwi.uni-konstanz.de/en/advice-and-services/examination-office/

Registration periods of the Department of Politics and Public Administration:

Exam registration period I: 01/12/2017 – 15/01/2018
Registration period II: 17/03/2018 – 21/03/2018

Examination Dates: https://www.polver.uni-konstanz.de/service/formalitaeten/fristen-und-termine/
Exam Registration Periods of the Department of Computer and Information Science

Registration: Via StudIS or with the offline-registration-form within the registration period
Reg. Period I (lectures): tba
Reg. Period II (lectures): tba
Examination dates: www.informatik.uni-konstanz.de/en/service-and-support/examination-matters/exam-registration/
Registration Seminars: tba

Exam Registration Periods of the Department of History and Sociology

Registration period (StudIS): Summer semester: 01st May – 15th June
Winter semester: 01st December – 15th January

Exam Registration Periods of the Department of Mathematics and Statistics

Registration: Students can apply up to one week before the exam.
Examination office: www.mathematik.uni-konstanz.de/beratung-und-service/pruefungsverwaltung/

Exam Registration Periods of the Department of Psychology

Registration period (StudIS): tba
Examination office (Elke Stepczynski): www.psychologie.uni-konstanz.de/fachbereich/personen/wissenschafterstuetzender-dienst/
PREPARATION COURSES
offered by the Dept. of Economics for new master students

PREP 1: Advanced Econometrics  P. Heiler
(Duration 5 days)

Wednesday, 11/10/17, 13:30 – 16:45, C336
Thursday, 12/10/17, 13:30 – 16:45, A 703
Friday, 13/10/17, 13:30 – 16:45, A702
Monday, 16/10/17, 13:30 – 16:45, G 201
Tuesday, 17/10/17, 13:30-16:45, G 201

PREP 2: Quantitative Methods in Economics  E. Oljemark
(Duration: 8 days)

Wednesday, 18/10/17, 08:15 - 09:45, 10:00 - 11:30, 13:30 - 15:00, 15:15 - 16:45, G 201
Thursday, 19/10/17, 13:30 - 15:00, 15:15 - 16:45, G 201
Friday, 20/10/17, 08:15 - 09:45, 10:00 - 11:30, 13:30 - 15:00, 15:15 - 16:45, G 201
Monday, 23/10/17, 08:15 - 09:45, 13:30 - 15:00, 15:15 - 16:45, C 423, 17:00-18:30, C 336
Tuesday, 24/10/17, 13:30 - 15:00, 15:15 - 16:45, R 512
Wednesday, 25/10/17, 13:30 - 15:00, A 704, 15:15 – 16:45, C 252
Thursday, 26/10/17, 13:30 - 15:00, 15.15 - 16:45, C 425
Friday, 27/10/17, 10:00 - 11:30, 13:30 - 15:00, E 404
1. Foundations of Data Analysis Courses

**Computer Science**

*Introduction to Computation for the Social Sciences, 2+2 hours (8 ECTS)*

K. Donnay

First session Wednesday, 25/10/2017, 10:00 – 11:30, F 428

B. Gipp

From calendar week 44 onwards:

Monday, 10:00 – 11:30, H 303

**Tutorial:**

Wednesday, 11:45 – 13:15, F 428

**Alternative to “Introduction to Computation for the Social Sciences”:**

*Konzepte der Informatik, 4+2 hours (6 ECTS)*

B. Pampel

Monday, 13:30 – 15:00, A701

Tuesday, 13:30 – 15:00, A701

**Tutorials:**

Group A: Thursday, 13:30 – 15:00, M 630

Group B: Thursday, 17:00 – 18:30, M 630

Group C: Friday, 08:15 – 9:45, D 301

Group D: Friday, 10:00 – 11:30, M 701

Group E: Friday, 15:15 – 16:45, ML 630

**Only in combination with:**

*Programmierkurs I, 2+2 hours (6 ECTS)*

J. Fuchs

Wednesday, 13:30 – 15:00, R 712

**Tutorials:**

Group A: Monday, 15:15 – 16:45, D 247

Group B: Monday, 17:00 – 18:30, D 247

Group C: Tuesday, 17:00 – 18:30, D 436

Group D: Wednesday, 15:15 – 16:45, D 247

Group E: Wednesday, 17:00 – 18:30, D 247

Group F: Thursday, 15:15 – 16:45, D 247

**Algorithmen und Datenstrukturen, 4+2 hours (9 ECTS)**

F. Schreiber

Monday, 8:15 - 9:45, A704

Tuesday, 8:15 - 9:45, A704

**Tutorials:**

Group A: Monday, 17:00 – 18:30, P 812

Group B: Monday, 17:00 – 18:30, P 912

Group C: Tuesday, 15:15 – 16:45, G 308

Group D: Tuesday, 15:15 – 16:45, ML 630

**Mathematics**

*Mathematik für Wirtschaftswissenschaftler I, 4+2 hours (9 ECTS)*

J. Schropp

Monday, 08:15 - 09:45, A 600

Thursday, 10:00-11:30, A 600
Tutorials:
Search for: „Mathematik für Wirtschaftswissenschaftler I“ in ZEuS
There is a list of 15 Tutorials you can choose from.

Mathematische Grundlagen der Informatik, 4+2 hours (9 ECTS)  S. Kosub
Wednesday, 10:00 – 11:30, A 701
Thursday, 10:00 – 11:30, A 702

Tutorials:
Group A: Tuesday, 15:15 – 16:45, M 631
Group B: Thursday, 13:30 – 15:00, ML 630

Lineare Algebra I, 4+2 hours (9 ECTS)  M. Schweighofer
Monday, 10:00 – 11:30, tba
Friday, 10:00 – 11:30, tba

Tutorial:
Monday, 15:15 – 16:45, tba  J.-H. Treude

Statistics
Statistics I (Dept. Of Psychology), 2+2 hours (6 ECTS)  S. Stieger
Tuesday, 17:00 – 18:30, R 513

Tutorial:
Wednesday, 11:45 – 13:15, R 513  T. Kuhlmann

Social Scientific Methods
Introduction to Survey Methodology, 2 + 2 hours (9 ECTS)  P. Selb
Thursday, 11:45 – 13:15, D 432

Tutorial:
Wednesday, 10:00 – 11:30, M 901

Methoden der empirischen Politik- und Verwaltungsforschung,  S. Shikano
4 hours (9 ECTS)
Tuesday, 17:00 – 18:30, Audimax
Wednesday, 11:45 – 13:15, Audimax

Empirie: Quantitative Methoden, 2+2 hours (6 ECTS)  T. Berndt
Monday, 15:15 – 16:45, R 712

Tutorials:
Group A: Tuesday, 10:00 – 11:30, room tba
Group B: Tuesday, 10:00 – 11:30, room tba
Group C: Tuesday, 08:15 – 09:45, room tba
Group D: Tuesday, 08:15 – 09:45, room tba
2. Advanced Methods of Data Analysis Courses

Lectures

Probability Theory and Statistical Inference, 2+2 hours (8 ECTS) L. Grigoryeva
Tuesday, 18:45 – 20:15, G 300

Tutorial:
Wednesday, 17:00 – 18:30, E 402

Research Design I, 2+2 hours (9 ECTS) P. Selb
Tuesday, 11:45 – 13:15, R 712

Tutorials:
tba

Seminar specifically for MSc SEDA students

Computational Social Science, 2 hours (6 ECTS) K. Donnay
Monday, 11:45 – 13:15, F 427
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<tr>
<th>Time</th>
<th>Monday</th>
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<tr>
<td>8:15 – 9:45</td>
<td>Algorithmen und Datenstrukturen (L) / Schreiber</td>
<td>Algorithmen und Datenstrukturen (L) / Schreiber</td>
<td>Empirie: Quantitative Methoden (T)</td>
<td>Optional German course (basic level)</td>
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<td>Mathematik I für Wirtschaftswissenschaftler (L) / Schropp</td>
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<td>10:00 – 11:30</td>
<td>Introduction to Computation for the Social Science (L) / Donnay</td>
<td>Empirie: Quantitative Methoden (T)</td>
<td>Mathematische Grundlagen der Informatik (L) / Kosub</td>
<td>Mathematik I für Wirtschaftswissenschaftler (L) / Schropp</td>
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<td>Methoden der empirischen Politik- und Verwaltungs-forschung (L) / Shikano</td>
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<td>Statistik I (T) / Kuhlmann</td>
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<td>13:30 – 15:00</td>
<td>Konzepte der Informatik (L) / Pampel</td>
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<td>Programmierkurs I (L) / Fuchs</td>
<td>Mathematische Grundlagen der Informatik (T) / Kosub</td>
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<td>Empirie: Quantitative Methoden (L) / Berndt</td>
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*L = Lecture, T = Tutorial, S = Seminar*
PREVIEW SUMMER SEMESTER 2018

1. Foundations of Data Analysis Courses

Computer Science

Datenbanksysteme, 6 hours, (9 ECTS)

Konzepte der Programmierung, 5 hours, (4 ECTS)

Only in combination with

Programmierkurs II, 2 hours (5 ECTS)

Statistics

Statistics I (Dept. of Economics), 2+2 hours (6 ECTS)

Statistik (Dept. of Politics and Public Administration), 4 hours (9 ECTS)

Statistik I (Dept. of Sociology), 4 hours (7 ECTS)

Social scientific Methods

Econometrics I, 3 + 2 hours, (8 ECTS)

Methoden II, 2+2 hours (5 ECTS)

2. Advanced Methods of Data Analysis Courses

Big Data and Scripting, 4 hours, (8 ECTS)