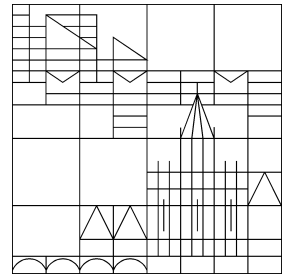


University of Konstanz
Faculty of Law, Economics and Politics
Department of Economics



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

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Course Advice for Students of the Master's Programme in Social and Economic Data Analysis

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Website: www.uni-konstanz.de/seda
Office Hours: Tuesday, Thursday, 10:00 – 12:00

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, 23th October 2017
Lecture-free period: Wednesday, 22rd 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, 23th January – Monday, 29th January 2018

Exam Registration period: Tuesday, 23th January – Monday, 29th January 2018
Examination period I: Wednesday, 14th February – Saturday, 03th March 2018

Exam Registration period: 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/wissenschaftsunterstuetzender-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 K. Klein

Tuesday, 8:15 - 9:45, A704 B. Sommer

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.

Monday, 10:00 – 11:30, tba

Schweighofer

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,
4 hours (9 ECTS)

S. Shikano

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)
Tuesday, 18:45 – 20:15, G 300

L. Grigoryeva

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

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

P. Selb

Tutorials:
tba

Seminar specifically for MSc SEDA students

Computational Social Science, 2 hours (6 ECTS)
Monday, 11:45 – 13:15, F 427

K. Donnay

Timetable Foundations of Data Analysis and Advanced Methods of Data Analysis Winter Semester 2017/2018

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:15 – 9:45	Algorithmen und Datenstrukturen (L) / Schreiber Mathematik I für Wirtschaftswissenschaftler (L) / Schropp Optional German course (basic level)	Algorithmen und Datenstrukturen (L) / Schreiber Empirie: Quantitative Methoden (T)		Optional German course (basic level)	
10:00 – 11:30	Introduction to Computation for the Social Science (L) / Donnay Lineare Algebra I (L) / Schweighofer	Empirie: Quantitative Methoden (T)	Mathematische Grundlagen der Informatik (L) / Kosub Introduction to Survey Methodology (T) / Selb	Mathematik I für Wirtschaftswissenschaftler (L) / Schropp Mathematische Grundlagen der Informatik (L) / Kosub Lineare Algebra I (L) / Schweighofer	
11:45 – 13:15	Computational Social Science (S) / Donnay	Research Design I (L) / Selb	Introduction to Computation for the Social Science (T) / Donnay Methoden der empirischen Politik- und Verwaltungsforschung (L) / Shikano Statistik I (T) / Kuhlmann	Introduction to Survey Methodology (L) / Selb	
13:30 – 15:00	Konzepte der Informatik (L) / Pampel	Konzepte der Informatik (L) / Pampel	Programmierkurs I (L) / Fuchs	Mathematische Grundlagen der Informatik (T) / Kosub	
15:15 – 16:45	Empirie: Quantitative Methoden (L) / Berndt Lineare Algebra I (T) / Treude	Algorithmen und Datenstrukturen (T) Mathematische Grundlagen der Informatik (T) / Kosub			
17:00 – 18:30	Algorithmen und Datenstrukturen (T)	Methoden der empirischen Politik- und Verwaltungsforschung (L) / Shikano Statistik I (L), Stieger	Probability Theory and Statistical Inference (T) / Grigoryeva		
18:45 – 20:15		Probability Theory and Statistical Inference (L) / Grigoryeva			

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)