MSc SEDS
Welcome Meeting
1st semester students

Prof. Dr. Peter Selb
Prof. Dr. David Garcia
Katharina Arendt (Program Coordinator)
Welcome to Konstanz!

In the heart of Europe.
We’re based at the Lake Constance, bordering Switzerland and Austria.
Prof. Dr. Peter Selb

Program Director MSc Social and Economic Data Science
Professor of Survey Methodology
peter.selb@uni.kn
Prof. Dr. David Garcia

Professor for Social and Behavioral Data Science
david.garcia@uni.kn
Advisory service

Katharina Arendt
Program Coordinator and Study Advisor
MSc Social and Economic Data Science
seds.admin@uni-konstanz.de
Office Hours:
Tue, 11 – 12 AM, online via zoom
Wed, 1.30 – 3 PM, D328

Zoé Wolter
Peer Advisor
seds.msc@uni-konstanz.de
SEDS International

Piret Sharinghousen
Departmental Erasmus Coordinator
erasmus.polver@uni.kn
Office Hours: Tue-Thu, 9-11 AM
D326
Curriculum

1st + 2nd semester

Introduction to Computational Methods for the Social Sciences (9 ECTS)

Foundations of Data Science (18 ECTS)

2nd + 3rd semester

Module Advanced Methods: Computer Science (18 ECTS)

Module Advanced Methods: Statistics (18 ECTS)

Module Programming and Scripting (12 ECTS)

Module Social Science Applications (18 ECTS) – Internship, DSP

4th semester

Colloquium (3 ECTS) + MA-Thesis (24 ECTS)

Further information: polver.uni.kn/seds
I am happy to answer your questions regarding your course selection for the upcoming semester:

Tuesday, 17 October 2023, 1.30-3 PM, D328

Monday, 23 October 2023, 10.30-12 AM, D328
Python Crash Course

Starting soon!
16-20 October (8.30 AM), C358/D406

Please register for the course via ZEuS!

If you have questions, please send an e-mail to seds.msc@uni-konstanz.de
Short Input:

Advanced Data and Information Literacy Track
What is the "Advanced Data and Information Literacy Track" (ADILT)?

- **Complemental programme on Data and Information Literacy**

- For students of all disciplines

- overall **30 ECTS**- Credits

- combination of relevant **courses of the respective study programme** and **specific offers**

- structure of 3 blocks: **theoretical basics (1)**, **practical application (2)** and **reflection (3)**

- completion **certificate**
Reasons to complete the „Advanced Data and Information Literacy Track“ (ADILT)

- Deepen your expertise in the area of data literacy (creating, evaluating and storing/publishing experimental data, reflective handling of data in respect to technical, legal and ethical aspects)

- Choose from a wide range of additional course offers in the area of media use and design, research, and publishing practices (information literacy)

- Get in touch with interdisciplinary application scenarios and practical perspectives, meet professionals from different fields

- Show your extended commitment to data and information literacy with the certificate in addition to your degree ("plus point" on your CV)
## Structure

### Advanced Data and Information Literacy Certificate 30 ECTS

<table>
<thead>
<tr>
<th>Block 3: Reflection</th>
<th>Normative, legal, historical and aesthetic perspectives on data-based processes and digitalization</th>
<th>(6–9 ECTS)</th>
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<tr>
<td>Block 2: Application</td>
<td>Subject-specific seminars, research and transfer-oriented project seminars on the application and reflection on data-based methods</td>
<td>(6–9 ECTS)</td>
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<tr>
<td>Block 1: Basics</td>
<td>Concepts of computer science, programming and statistics for students of all subjects and/or Suitable introductory methods courses on data analysis and management offered in the respective subjects</td>
<td>(9–12 ECTS)</td>
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<tr>
<td>ADILT lecture series (required)</td>
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<td>(3 ECTS)</td>
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**Program-specific (central and interdisciplinary) offers in the ADILT, each suitable as an introduction for non-specialists**

**Course offer:**
Digitalization and Law (can be taken without prior knowledge of law)

Philosophy and ethics of data processing

**Changing course offer:**
Unstructured Data in Humanities and Social Sciences / Digital Humanities

Online self learn-course
ADILT Basics of Computer Science (can be taken without prior knowledge of IT)

Mathematical Foundations of Data Processing

Presentation of topics and research questions from different disciplines and invited speakers

courses of the SEDS study programme with assignment to ADILT
Subject-specific courses in the SEDS curriculum and interdisciplinary, thematically related courses

Block 1 (basics) 9-12 ECTS:
- Foundations of Data Science & Advanced Methods
- Additionally/complementary: Mathematical Foundations of Data Processing (changing topics)

Block 2 (Application) 6-9 ECTS:
- Advanced Methods, Programming and Applications
- Additionally/complementary: ADILT courses on multimodal/unstructured data, Digital Ethnography
- Large selection of key qualification offers (e.g. different beginner programming, data application and media design courses; topics like Open Science, Media Storytelling,...)

Block 3 (Reflection) 6-9 ECTS:
- ADILT courses Digitalization and Law, Data Philosophy, Data Ethics
- Large selection of key qualification offers (e.g. Critical Media Literacy, Reflection of Man and Technology, Workplace of the Future...)

ADILT Lecture series

presentation of topics and research questions from different disciplines and invited speakers
How to? – information and contacts

I want to participate - what do I have to do?
- No specific enrollment required
- Take and successfully finish courses creditable for the certificate

What courses do I need to take and how do they count towards the certificate?
- Full course overview on ADILT webpage, interdisciplinary and creditable courses from the respective study programmes
- ECTS acquired in the study programme also count for the ADILT certificate
- Information and structure table also on: ADILT website for students

Who can I ask and where can I find contacts?
- Questions by email and appointments for a consultation at any time: Veronika Pöhnl, veronika.poehnl@uni.kn
- Exchange forum in the ILIAS for interested participants (access on the ADILT website for students; open online consultation hour: Fridays 10 - 11 AM

Quicksearch:
- uni.kn/adilt, ADILT Uni Konstanz
We are a Europe-wide network of over 2400 data scientists who want to improve the world through data science.

Data4Good Projects

Education

Community
CorrelAid e.V. Universität Konstanz

CorrelAid Bar Evening
Friday Nov 3rd, 7:30pm
Events:

Today
15-17:30

Saturday
19:00

12 October 2023 SEDS Welcome Event
Caught your Interest?

AK Members

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<td>6 Months ago</td>
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<td>Now</td>
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<tr>
<td>In 6 Months</td>
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Contact Elias or Andri
seds.ak@uni-konstanz.de
Reach out via the SEDS WhatsApp groups
Have a good and successful start in the SEDS program!

Enjoy a coffee and a Brezel and have an easy-going chat with us and your peers!