

MSc SEDS

Master's Thesis

Winter semester 2024/25



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seds.admin@uni.kn

10 July, 2024

How to register for the master's thesis

**Submission
deadline:
20 Sep 2024**

Requirements for admission:

- 60 ECTS (credits) completed
- Find a suggested title for the thesis
- Find two supervisors

Fill in the online form “Online application for the master's thesis SEDS” on our [webpage](#) and include:

- A letter of enrolment of the current semester
- Proof of having passed **60 ECTS credits** (transcript of records)
If you do not have all necessary ECTS credits on the day of the master's thesis registration, submit the proof of the missing credits immediately after receiving your results.

Application procedure for the master's thesis SEDS

On this page, you can apply for the master's thesis in the SEDS programme. Please be aware of the **following issues**:

1. Please **log in** with your university **e-mail account** and your **password**.
2. You will be guided step by step through the application form. Please read all the instructions carefully.
3. **Insert your data carefully** and doublecheck it afterwards since this is your official application form for the master's thesis.

Important note: After having filled out the application form, you still have to sign the form and to collect confirmations by e-mail of your supervisors.

Note:

The date of the submission of the application form does not affect the submission date for the master's thesis. After the registration period has ended, the examination committee will meet and calculate the submission date for the master's thesis. You will get informed about it in good time before the beginning of the writing period.

Online application for the master's thesis SEDS

1. Personal Data
2. Contact Information
3. Information about the MA Thesis
4. Enclosed Documents ("Immatrikulationsbescheinigung")
5. Formal Declaration
6. Submission

How to register for the master's thesis

**Submission
deadline:
20 Sep 2024**

- **Generate a pdf file** of the confirmation mail of the online application form which contains all inserted details about the master's thesis (supervisors, title etc.)
- **Sign** this document **electronically** in the field **"Own signature"**!
- **Forward** the signed document with all inserted details about the master's thesis by e-mail **to your supervisors**
- **Submit** the **signed pdf file** of the online application and **both confirmation mails** of your supervisors via e-mail to Ms Bozer (pruefungsverwaltung.plover@uni.kn)
- **Important note:** As SEDS student you apply for the master's thesis at the **Department of Politics and Public Administration**, even though your first supervisor is from another department!

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General requirements

**Submission
deadline:
20 Sep 2024**

**Module Master Thesis = 27 credits
(24 ECTS thesis + 3 ECTS colloquium)**

- **Period of completion: 14 Oct 2024 to 24 Feb 2025 (4 months)**
- **Written thesis** ideally completed in the fourth semester
- **Colloquium** either as preparation in the semester prior to the master's thesis (third semester) or in parallel
- Has to be written in **English**
- Contact your suggested first supervisor and second supervisor **in advance of the registration**
- according to § 18 (9) of the Study and Examination Regulations at least one of the supervisors must be **Principal Investigator** or associated Professor of the Graduate School of Decision Sciences
- Only choose a professor of the GSDS in case all of the PIs do not fit!
- **Please note:** Guest lecturers do not supervise!

Principal Investigators (PIs)

PI	Department	Research focus/interests	Publications
Peter Selb	Dept. of Politics and Public Administration	Survey methodology	Publications
Susumu Shikano	Dept. of Politics and Public Administration	Political methodology, spatial models of politics and diverse topics in political behavior	Publications
David Garcia	Dept. of Politics and Public Administration	Computational social science, statistical analysis of digital traces of human behaviour, information retrieval technologies, social networks, dynamical systems analysis	Publications
Termeh Shafie	Dept. of Politics and Public Administration	Computational social science and digital humanities, multivariate social networks analysis	Publications
Sven Kosub	Dept. of Computer and Information Science	Theoretical computer science, algorithms and complexity, discrete mathematics and logic, artificial intelligence, data science, social network analysis	Publications
Michael Grossniklaus	Dept. of Computer and Information Science	Databases and information systems, data stream management systems, algebraic optimization techniques for graph, data stream processing	Publications
Ralf Brüggemann	Dept. of Economics	Time series econometrics, structural VAR- and VEC-models, forecasting methods, empirical macroeconomics and macroeconometrics, cointegrated VAR models	Publications
Ulf-Dietrich Reips	Dept. of Psychology	Internet-based science, mobile research with smart phones, Internet-based personality tests, and social networking sites	Publications
Fridtjof W. Nussbeck	Dept. of Psychology	Longitudinal Data Analysis, Structural Equation Modeling, Dyadic Data Analysis	Publications
Jan Beran	Dept. of Mathematics and Statistics	Quantitative methods and survey research, statistical data analysis	Publications
Thomas Hinz	Dept. of History, Sociology, Empirical Educational Research and Sport Science	Survey experiments, methods of empirical social research, labor market sociology, social inequality, organizational and economic sociology	Publications
Maarten Buis	Dept. of History, Sociology, Empirical Educational Research and Sport Science	Social structure analysis, statistics, Stata	Publications

(Or associated **Professors of the Graduate School of Decision Sciences**: To be found [here](#).)

External supervisors (university professors)

- External supervisors can only be appointed in well-founded exceptional cases and only as **second supervisors**
- Have to be **university professors**
- Must be approved by the **SEDS Examination Board**

What to do?

Talk to the first supervisor (PI) and ask if he/she agrees that an external co-supervision makes sense

- Write a **request** to the MSc SEDS Examination Board
- Submit the request together with the curriculum vitae and a publication list of the potential external supervisor via the [online form](#)

Master's Thesis within an external company, research institute etc.

- Writing your master's thesis in cooperation with a company, research institute etc. is possible
- Both supervisors (1. assessor & supervisor, 2. supervisor) need to be university professors from the University of Konstanz (one of them must be a **MSc SEDS PI**)
- An external supervisor from the company etc. is **not possible**
- Pay attention to data security issues!

Master's Thesis at the Department of Computer and Information Science

- **Important:** for SEDS students it is **not obligatory** to do the seminar and the master's project at the Department of Computer and Information Science; it is just a possibility to be well prepared for the master's thesis
- Consists of the **seminar**, the **project**, the **master's thesis** and the **colloquium**
- **seminar and project:** third semester; **master's thesis and colloquium:** fourth semester
- By choosing the seminar you already set the direction of your master's thesis
- In case you want to write your master's thesis in the fourth semester, attending the seminar has to be planned well in advance; please take care of **registration deadlines!**
- Further information available on SEDS [webpage](#) and the [webpage](#) of the Department of Computer and Information Science



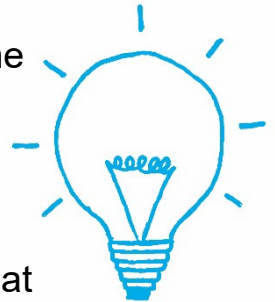
Formalities

- **Formal guidelines:** Formal criteria and guidelines may differ between departments and chairs; please make sure to meet the **expectations of your first and second supervisor** and ask them beforehand; you will find helpful advice on the respective websites of the departments/chairs
- **Number of Copies:** **3 bound copies** must be submitted by the specified deadline; **in addition** the master's thesis has to be submitted as **pdf file** directly to both supervisors and Ms Bozer (pruefungsverwaltung.plover@uni.kn)
- **Length:** Usually, the length of a master's thesis is about 60 to 70 pages; please check with your supervisors whether the participating departments have different guidelines
- **Binding:** The master's thesis must be securely bound with a front and back cover, e.g. by means of cold adhesive binding
- **Duplication:** A high print quality is necessary for written work (for photocopies, use a high quality photocopier)

Colloquium

You present the research design of your master's thesis in front of your peers and first supervisor and use their feedback to improve, finalize and refine your master's thesis.

- **3 ECTS** (ungraded) for your master's colloquium in the module Master Thesis
- The Department of Politics and Public Administration offers **specified research seminars/colloquia** every semester
- **Winter semester 2024/2025**: David García, Termeh Shafie, Peter Selb; please get informed about the individual registration procedures! (via ZEuS)
- For other participating departments **individual arrangements** need to be done
- Once you have found your first supervisor it is very important to **clarify the colloquium** with him/her at the very beginning
- In order to have your colloquium **allocated in ZEuS**, your first supervisor needs to confirm that you have fulfilled the colloquium by e-mail to: seds.admin@uni.kn (no form required)



Writing Center

- The **Writing Center** at the University of Konstanz supports students in furthering their writing competence
- Peer writing tutoring: from student to student
- **Tutoring sessions** via zoom and on campus. Book your individual appointment: [Get your appointment | Writing Tutoring Service | Our offers | Writing Centre | University of Konstanz \(uni-konstanz.de\)](#)
- Or drop in at their **office hours** on Wednesdays, 1.30 – 3.30 pm in the green study spot next to the library café; no appointment required (during lecture period)
- Link for more information about the [Writing Center](#)

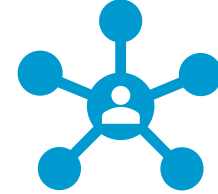


Take away

- Find an interesting topic and title for your master's thesis
- Find two supervisors (at least one of them SEDS PI)
- Register for the master's thesis via the online form until **20 September 2024!**
- Link to the online form: [Online application for the master's thesis](#)



LinkedIn Group



Check out our SEDS group on [LinkedIn](#).

It is a platform for casual exchange of ideas, job opportunities and anything else related to SEDS in the future. You can also follow the career paths of SEDS Alumni.



Alumni Webpage



On our [Alumni Webpage](#) graduates of the SEDS programme present their career paths and talk about their experiences in a retrospective view.

Master Politik- und Verwaltungswissenschaft	+
<u>Master Social and Economic Data Science</u>	-
Curriculum	
How to apply	
Exams and Master's Thesis	
Data Science Project and Internship	
Study Abroad	
Career perspectives	
<u>Alumni</u>	
AK SEDS	
Contact	
Double Degree-Optionen	+



SEDS Alumni & career paths

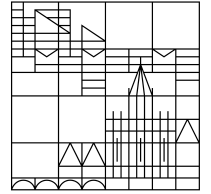
Keeping track of the career paths of your SEDS alumni and listen to their retrospective view is essential to improve the program. Read here more about the experiences of former SEDS students.

„For me personally, Data Science is storytelling and Predicting the Future using given Data“

Former SEDS student, internal survey (August 2023)

➤ [SEDS LinkedIn Group](#)

📄 [Join our alumni network](#)



Questions?

Feel free to contact me!

Katharina Arendt

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