

➤ Welcoming MSc E-Government Students at University Koblenz

Prof. Dr. Maria A. Wimmer, Dr. Vera Spitzer
{ wimmer | vesp91 }@uni-koblenz.de
<https://www.uni-koblenz.de/agvinf>

Who we are ...



Prof. Dr. Maria A. Wimmer

wimmer@uni-koblenz.de
Room A 125



Dr. Vera Spitzer

vesp91@uni-koblenz.de
Room A 103



Chester Owusu-Ansah Essel

chesteressel@uni-koblenz.de



Paulina Duruye

pduruye@uni-koblenz.de



Ali Siah

alisiah@uni-koblenz.de



Alvan Rahimli

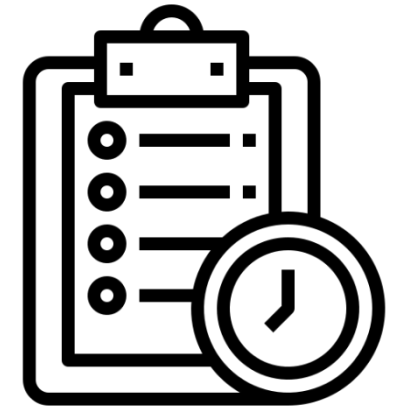
arahimli@uni-koblenz.de

And who are you?



Agenda

- ❖ Research Group E-Government
- ❖ Curriculum Master E-Government
- ❖ Do's and Don'ts
- ❖ Organisational issues
- ❖ Study Navigator Ali
- ❖ Experience Reports by Paulina, Alvan and Chester



Research Group E-Government

Head of Research Group Electronic Government

- Prof. Dr. Maria A. Wimmer

Part of Faculty 4: Computer Science



Part of Institute for Information Systems Research

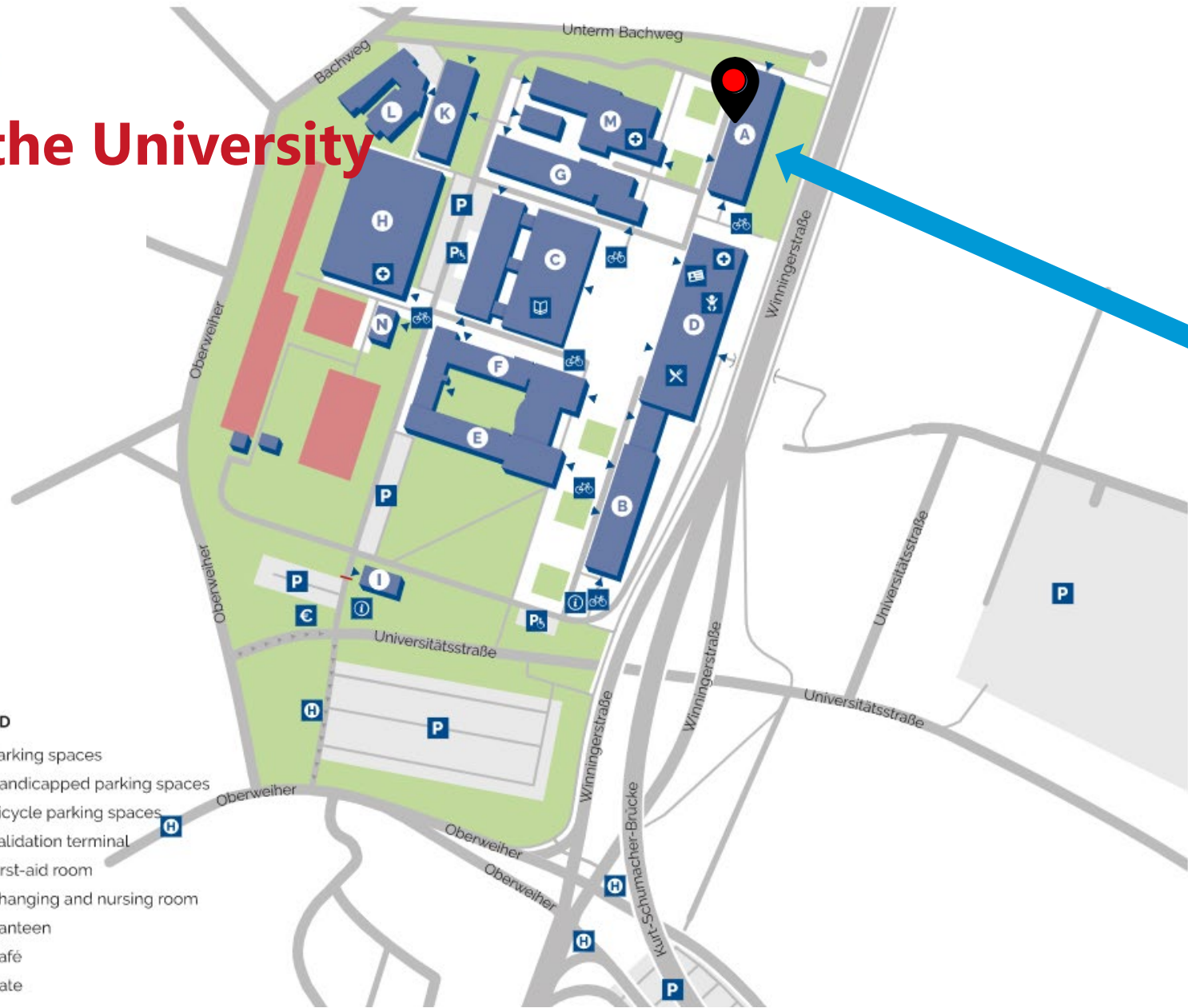
- Research Group Process Science (Prof. Dr. Delfmann)
- Research Group IT-Security and Data Security (Prof. Dr. Mauthe)
- Research Group Information Systems and Smart Data (JProf. Dr. Riehle)
- Research Group Business Software (Prof. Dr. Schubert)
- Research Group Electronic (E-) Government (Prof. Dr. Wimmer)



Map of the University



- LEGEND**
- Parking spaces
 - Handicapped parking spaces
 - Bicycle parking spaces
 - Validation terminal
 - First-aid room
 - Changing and nursing room
 - Canteen
 - Café
 - Gate



You will find our offices here!

You want / need to talk to us? Note that we do not have fixed consultation hours. Drop us an e-mail for an appointment.

Team of the Research Group E-Government



Chair: Prof. Dr. Maria A. Wimmer

Secretariat: Nicole Heinzen

Hon.-Prof.: Dr. habil Andreas Engel

Student staff:

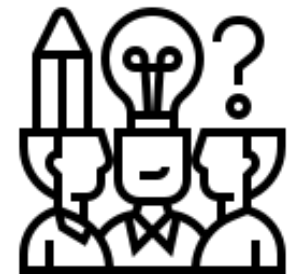
Björn Alisch
Asel Albalkhi
Leon Catak
Rodi Dizin
Jonas Gräf
Jan Hillesheim
Riya Lenz

Simon Rasbach
Ali Siah
Jan Zimmermann

Scientific staff:

Kim Ballmes
Anchal Dua
Matthias Hartmann
Wojciech Kwasnik
Dr. Ulf Lotzmann
Richard Luks
Cedric Pauken
Philipp Räder
Florian Rieder

Andreas Schmitz
Jessica Schumacher
Dr. Vera Spitzer
Behruz Valizoda
NN 1
NN 2



Research in the RG E-Government

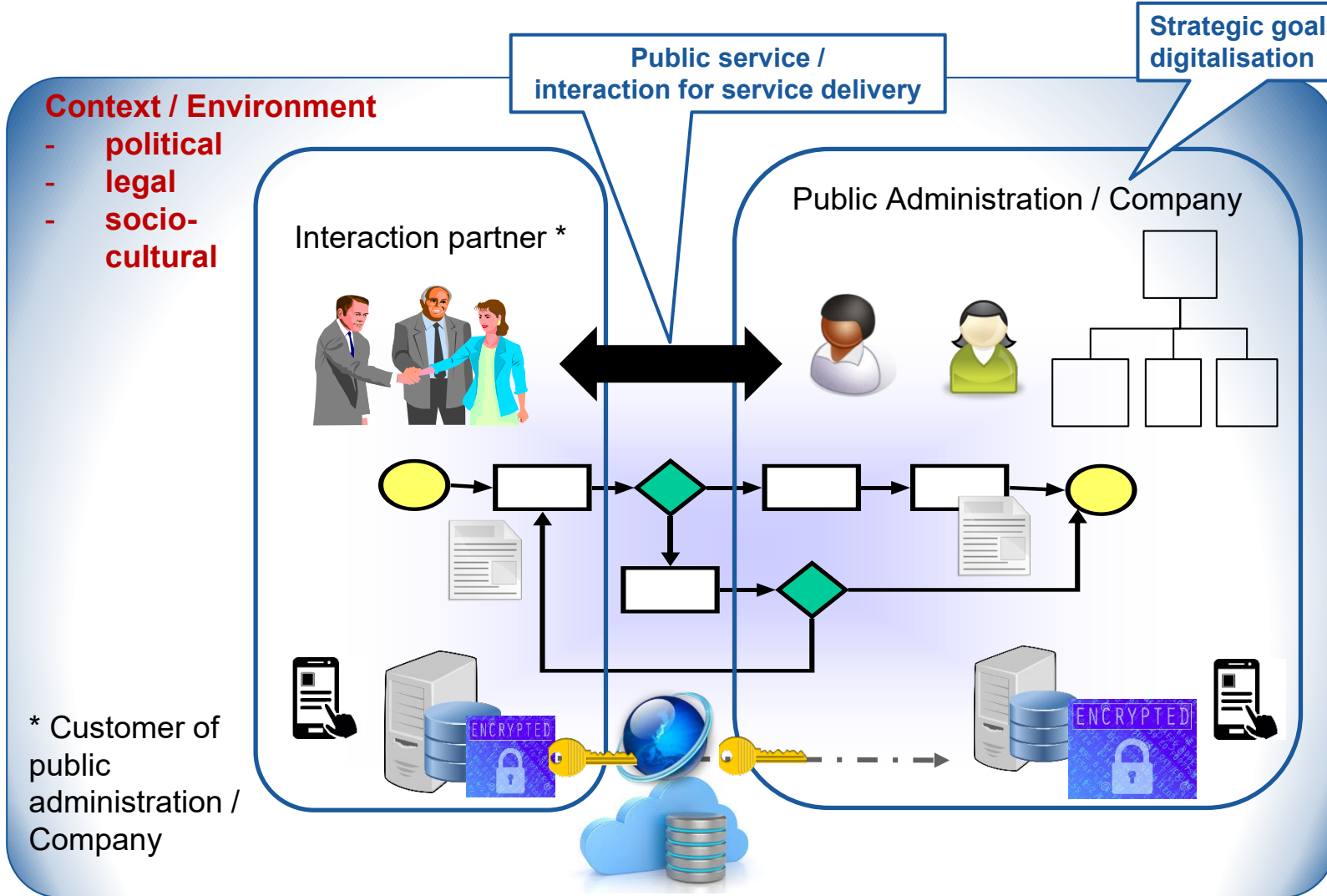
www.uni-koblenz.de/agvinf

Digitalization and Digital Transformation in the public sector:
E-Government, E-Participation,
Open Government, Policy Modelling and
Good Governance from different perspectives
using design science research
and empirical research



© http://www.smartcitiesworld.net/AcuCustom/Sitenam/DAM/013/digital_government_Adobe_rt.jpg

Holistic view on public sector information systems



Holistic view:

Humans & Organisation

Processes

Data / Information

Secure ICT and communication networks

(Wimmer 2021)

Considerable number of funded research projects



Current and past research projects



COVID and AI



INTERPROC

Registermodernisierung



Studies for ISA²



SWIA-Taxco



Drone:establish



COVID and AI



DiTKo

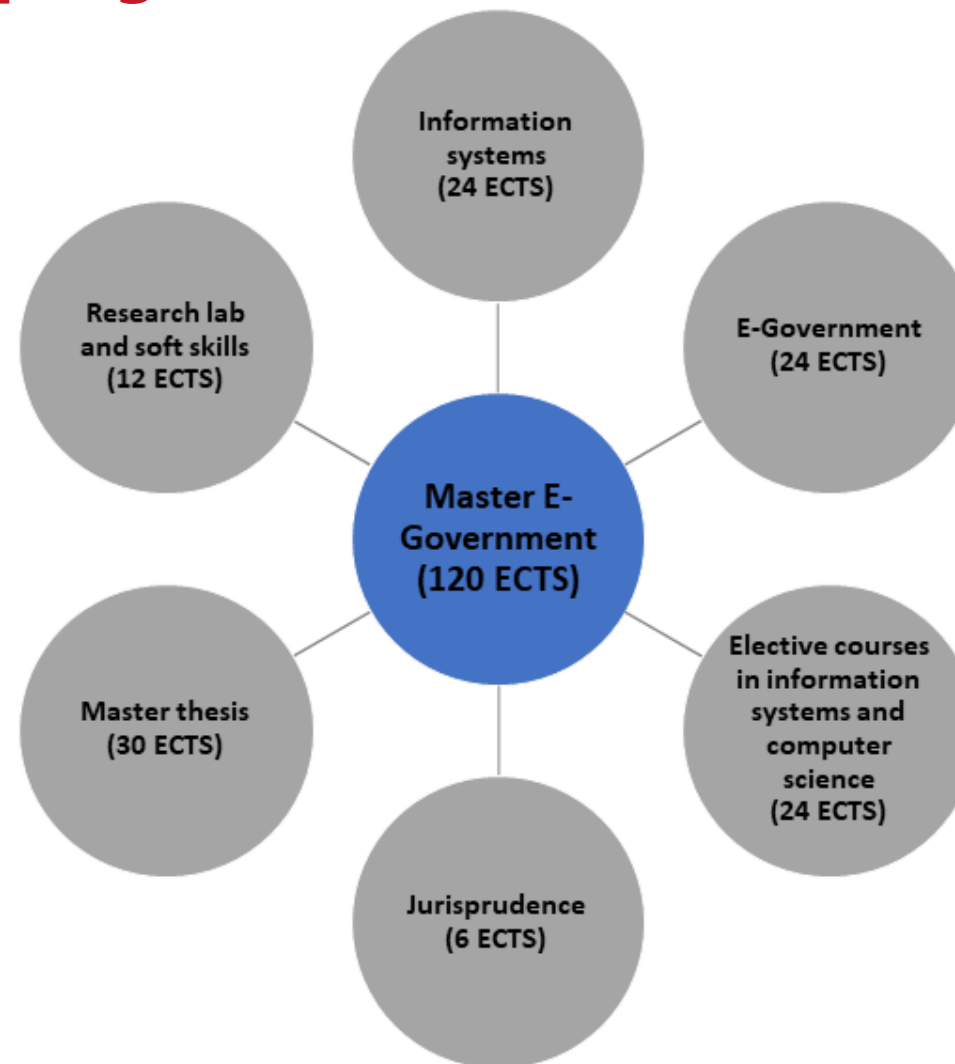


Objectives of Study Programme

- ❖ Use of information and communication technology (ICT) in the public sector
- ❖ Skills and knowledge for public sector modernization and digital transformation through holistic analysis, design and implementation of information systems in the public sector, including stakeholder engagement
- ❖ Analysis of the benefits of ICT for government and administration in the interaction with business and society
- ❖ Methods and techniques for holistic design of information systems



Structure of the programme



Curriculum (1/2)

Term	Information Systems 24 ECTS	E-Government 24 ECTS	Electives Inform. Systems & Computer Sc. 24 ECTS	Jurisprudence 6 ECTS	Research Lab & Soft Skills 12 ECTS	Master Thesis 30 ECTS	Total
1 Summer	<ul style="list-style-type: none"> • <u>Enterprise Architecture</u>* 	<ul style="list-style-type: none"> • <u>Applications to E-Government</u> • <u>Policy Analysis and Modelling</u>¹ (<i>Internationals</i>) 	<ul style="list-style-type: none"> • Choose one elective module (internationals) 	<ul style="list-style-type: none"> • <u>Introduction to E-Government</u>⁴ (<i>Intern</i>) • <u>International business law</u>³ (<i>Germans</i>) 	<ul style="list-style-type: none"> • <u>Scientific Working and Writing</u>⁵ 		32
2 Winter	<ul style="list-style-type: none"> • <i>Risk Management in Distributed Environments</i>** • <i>Workflow Management</i>** 	<ul style="list-style-type: none"> • <u>E-Participation</u> • <i>New Public Management (Lecture, German)</i>² 	<ul style="list-style-type: none"> • Choose two (Internationals) or one (Germans) elective modules 	<ul style="list-style-type: none"> • <u>Media laws</u>³ (<i>German</i>) 			30

* 2 Mandatory

** *2 out of 3 Mandatory*

4 Mandatory

¹ for Internationals

² for German students

4 Electives

Mandatory

³ for German students

⁴ for Internationals

Mandatory

⁵ for German students Team und Führungstraining; for Internationas Scientific Writing

Curriculum (2/2)

Term	Information Systems 24 ECTS	E-Government 24 ECTS	Elective Courses Inform. Systems & Computer Science 24 ECTS	Jurisprudence 6 ECTS	Research Lab & Soft Skills 12 ECTS	Master Thesis 30 ECTS	Total ECTS
3 Summer	<ul style="list-style-type: none"> • <u>Research Methods</u>* • <u>Business Software</u>** 	<ul style="list-style-type: none"> • <u>Public Governance and Open Government</u> • <u>NPM (Seminar, G)</u>² 	<ul style="list-style-type: none"> • <i>Choose one (internationals) or two (Germans) elective module</i> (Recommendation: Independent Research paper as one module) 		<ul style="list-style-type: none"> • <u>Research lab</u> 		28
4 Winter						<u>Thesis, colloquium</u>	30

** 2 out of 3 Mandatory

4 Mandatory

4 Electives

Mandatory

Elective courses Information Systems and Computer Science

- An overview ...



- ❖ Introduction to Web Science
- ❖ Machine Learning and Data Mining
- ❖ Data Visualization
- ❖ Smart Process Analytics
- ❖ Semantic Web
- ❖ Artificial Intelligence
- ❖ Business Process Management
- ❖ Special Topics: IT-Management
- ❖ Big Data
- ❖ Mining Software Repositories
- ❖ Automated Reasoning and Knowledge Representation
- ❖ ... and many more offers from the Information Systems Research and Computer Science Institutes, but not from Business Management

Caution: no elective courses from Management in the Study Program



Please note: elective courses from Business Management/Entrepreneurship may be taken by your interest, but these **ARE NOT PART OF YOUR CURRICULUM AND DO NOT COUNT** in the curriculum's elective part!

Examination Regulations

Examination regulations, Examination board and office (since October 2025)

Examination regulations have changed in October 2025. Note: "insights" from students who enrolled in previous years may be different, however the new examination regulations apply to all students

New examination regulation („Rahmenprüfungsordnung“): Umbrella regulations for all study programs of the University; Specific regulations for each study program (yet to be settled – currently, the attachment to the existing examination by-laws for the study program applies)

Examination board: According to the new examination by-laws („Rahmenprüfungsordnung“), joint board for all study programs of the University consisting of professors, students, academic members of staff, professional services staff

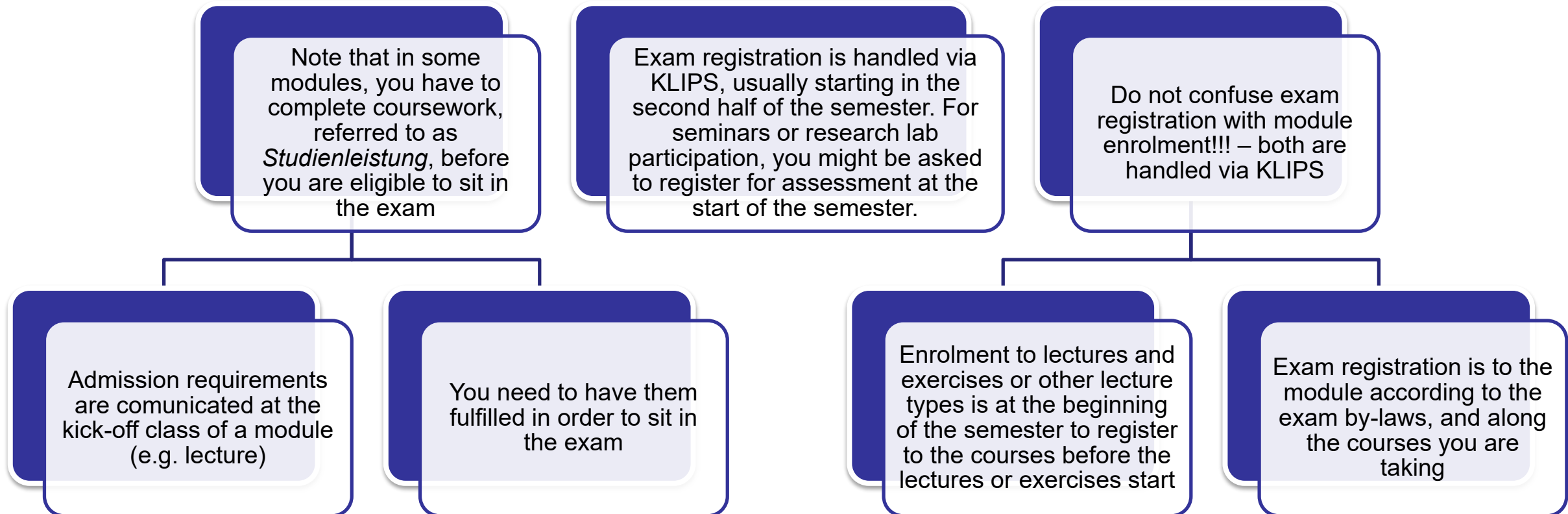
Examination office (Hochschulprüfungsamt): Your main point of contact regarding formal examination questions, reporting illness, getting approval of etc.

NEW Examination regulations

Number of trials per module

- **Repeating exams:**
 - You can repeat an exam a maximum of 2 times (i.e. you have three trials for a module)
 - After the first fail, you may request an oral supplementary examination. The grade can at max be improved to 4.0 (pass)
- **Failing an elective module:** If you fail an elective module (Wahlpflichtmodul), you can attempt completing another elective module. However, you have to inform the examination office that the examination in that elective module is a repeating assessment attempt of the elective module that you have failed before. This means that you have only two attempts to repeat the exam (including oral assessment) across the various elective modules
 - Example: in the module group „Information Systems“ you need to take two out of three modules
 - *Risk Management in Distributed Environments*
 - *Workflow Management*
 - *Business Software*
 - *If you decide to take Risk Management and Business Software, and you fail in Business Software, then decide to take Workflow Management instead, you need to declare to the examination office that you now take Workflow Management as the second mandatory module. Hence the first attempt in Business Software is transferred from Business Software to Workflow Management.*

NEW Regulations: Examination registration



Disadvantage circumstances

Such issues are any circumstances outside your control that impact your performance in an assessment (health, psychological)

These need to be evidenced by medical attestation and need to be applied to via the examination office to be formally recognized.

If formally recognised, you might benefit from:

- Extension of exam time
- Technical aids, e.g., use of computer as a writing aid
- Exam assistance
- Change of exam format, e.g., from written to oral or vice versa
- Use of a separate exam room under supervision

Consult: <https://www.studierendenwerk-koblenz.de/de/beratung/beratungsfelder1/studieren-mit-handicap>

Note on legal binding of by-laws

Please note that only the German version of the examination by-laws are formally binding. The english translations are not formally binding.

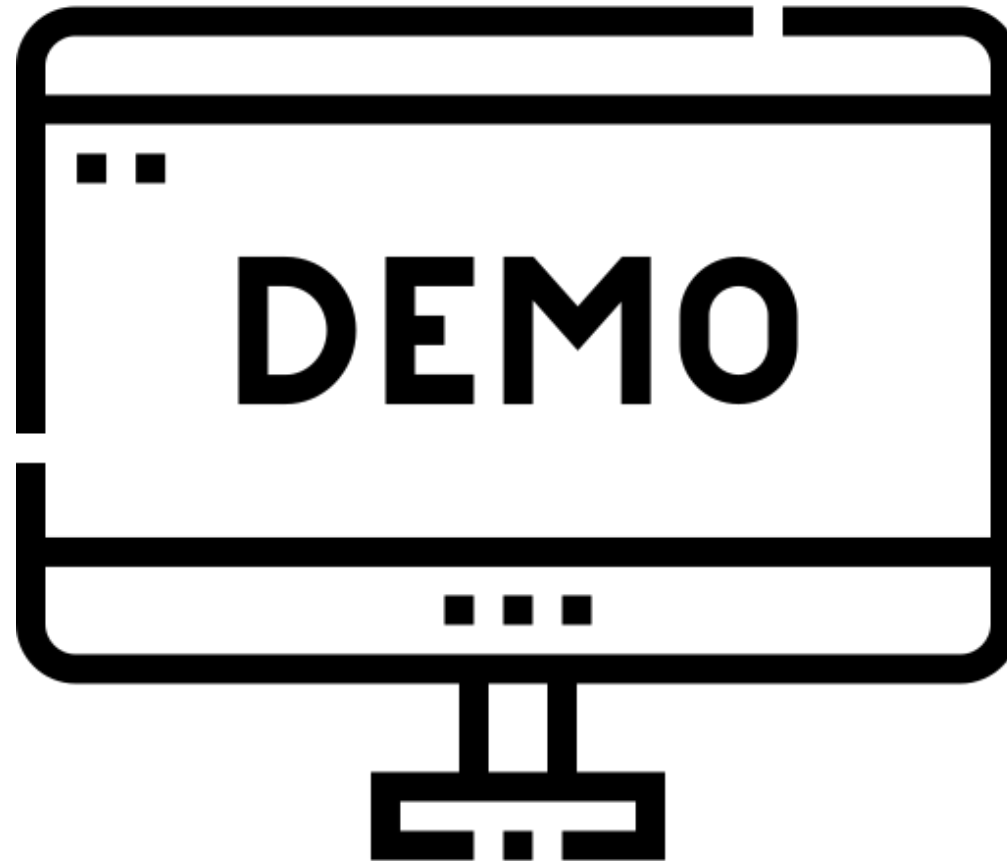
How to get the admission requirements done?

Admission requirements

What to do to fulfill the admission requirements?

- ❖ Students may have admission requirements to compensate lack of competencies from the Bachelors in particular fields (max 30 ECTS is possible)
 - Admission requirements must be fulfilled before registering the Master Thesis
 - Along the next accreditation of the study program in 2027, the timeline will change to „within the first year“
- ❖ Admission requirements in RG E-Government
 - Systems Analysis -> register to the lecture
 - Appointment for information on what to study
 - Self-study of subjects
 - Oral exam
 - Proseminar – register to the scientific working and writing and write an extended seminar paper (approx. 5000 words)

Lectures in KLIPS available (Summer term)



Course A

Menü

Anmelden



EN



Seminaren und Praktika an.

❖ Please choose lecturers'

Process Science (Professur Delfmann) ▼

IT- und Datensicherheit (Professur Mauthe) ▼

Smart Data (Juniorprofessur Riehle) ▼

Betriebliche Anwendungssysteme (Professur Schubert) ▼

Enterprise Information Management (Professur Williams) ▼

Verwaltungsinformatik / E-Government (Professur Wimmer) ▼



Genauere Informationen bezüglich der Verfügbarkeit der Veranstaltungen können Sie der rollierenden Planung entnehmen:

Rollierende Planung

Neuer Master Wirtschaftsinformatik - Studienverlauf, Module und Schwerpunkte

Examination types

- ❖ Written assignment or seminar paper with presentation
- ❖ Written exams (Klausur)
- ❖ Oral exam
- ❖ Project handbook and Presentation for research lab



Requirements and scope for each examination is explained mostly during the first lecture/exercise/seminar. We highly recommend to always attend the first classes.

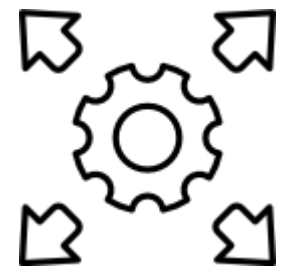
Master Thesis

- ❖ Several topics along research domain E-Government
 - With research project context
 - Linked to lectures
 - Own proposals
- ❖ 6 months full scope of work
 - Workload: approx. 900 hrs for 30 ECTS
(Thesis 27 ECTS & Colloquium 3 ECTS)



Organisational Issues

- ❖ Familiarize yourself with KLIPS, OLAT, SOGO and any other tools that may be used along teaching – e.g. connecting your laptop to the data projector or screen for presentations
- ❖ Create your study plan and register for classes
- ❖ Connect with your classmates and form groups for classes
- ❖ Required technical equipment: laptop with HDMI port



List of links

- ❖ KLIPS: <https://klips.uni-koblenz.de/qisserver/rds?state=user&type=0>
- ❖ SOGo: <https://sogo.uni-koblenz.de/SOGo/so/>
- ❖ OLAT: <https://olat.vcrp.de/dmz/>
- ❖ BBB: <https://bbb.uni-koblenz.de/b/>
- ❖ Website of the Research Group E-Government and its teaching offers:
<https://www.uni-koblenz.de/agvinf/>

➤ **Wishing you great success in your Master
Studies!!!
Any questions?**

{ wimmer | vesp91 }@uni-koblenz.de
<https://www.uni-koblenz.de/agvinf>



➔ Study Navigation Programme

Connect. Support. Succeed.



Your Study Navigator for M.Sc. E-Government



Ali Siah

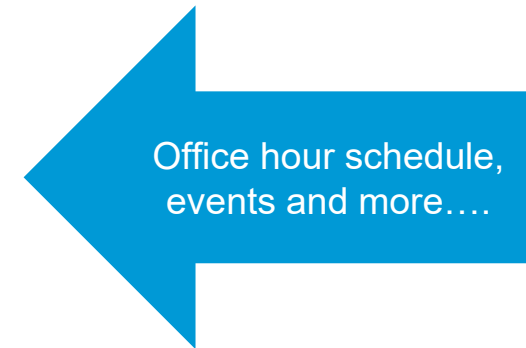
Study Navigator E-Government (M.Sc.)

E-Mail: [studynavigators\(at\)uni-koblenz.de](mailto:studynavigators(at)uni-koblenz.de)

- = **first port of call** for questions related to your study programme
- **Study Navigation Programme = peer-to-peer** advice for **academic matters**
- Questions about modules, module handbooks, courses, examination regulations, exams, term papers, how to contact lecturers about academic matters, etc...
- Also: Offers of **workshops** to support you in your studies:
 - 02 April 2026/12 – 2 pm, F413: „Study Navigation: Plan your timetable“
 - 17 June 2026/12 - 2 pm: “Ready, Set, Prüfung! – Navigating exams in ...”

How to reach out to Ali?

- Regular office hours on campus (t.b.a.)
- Can be reached via studynavigators@uni-koblenz.de



Ali supports ALL students of E-Government – not exclusively first semester students!



**Welcome To The World
of
E-Government**

Introduction



Who are we?

Paulina, Chester, Ali and Alvan

“Together, we want to walk you through what to expect, how to thrive, and how to make the most of your time here.”

Agenda



- Program Overview
- Autonomy & Responsibility
- Digital & Soft Skills
- Scientific writing and ethical use of AI

- Resilience and emotional intelligence
- Planning and Mindset
- Culture, Conduct and Skills
- Course Selection Tips

Final Words and Q&A



Program Overview

- This program will challenge and stretch your intellectual boundaries. It will be demanding, yet approach it with resilience, good time management, and an open, problem-solving mindset.



You have control over your progress, take charge of your own learning and make great academic decisions. Also be reliable, disciplined and accountable.



Autonomy and Responsibility

Digital & Soft Skills

- E government is both technical and social, learn how to use digital tools and at the same time, improve your communication, teamwork, critical thinking and presentation skills (Grundén, 2009; Khan et al., 2011; Gibreel & Hong, 2017).

Ask for Help

- Professors, teaching assistants (TAs), senior students, and even your classmates are valuable sources of support. Asking for help makes everything become clearer.

Scientific writing and Ethical use of AI

Understanding academic writing principles

Every statement you make should be supported by credible sources with reference rather than assumptions, ensuring accurate referencing to show academic honesty (Lindahl & Grace, 2018).

AI tools like ChatGPT and other generative AI platforms may be valuable aids but **MUST BE USED ETHICALLY** (Cheng et al., 2025).

See AI as a support not replacement of your critical thinking, understanding and interpretation. Always cross-checking AI outputs with credible academic sources. Over-reliance on AI and misusing these tools can severely harm your academic standing and grades as well as (Khalifa & Albadawy, 2024).

Group Work and Study Experiences

Choosing the group members*

Leading or being lead

Load balancing

From each according to their ability...

Coordinating and availabilities
(meetings, group chats, emails, etc)

*Might not be always possible

Knowing the IT basics will help

- Basics of programming, networking, infrastructure
- Essential terminology

Reading additional material

- Check the references on slides.
- Skim-through specification documents to form an idea of what/how they deal with issues.

Events and Softwares to Consider

University provides everything you need:

OSOR Events ([link](#))



FOSDEM ([link](#))

Talks, forums, videos,
news, etc.



FOSDEM

Personal interest



Digital
Public
Goods
Alliance

And much more..



- Cloud storage
- Video conference tool
- Collaborative word processor (Onlyoffice)



- Mail
- Calendar
- Contacts



- LMS
- File sharing
- Course materials
- and more



Archi
archimate modelling



WIREGUARD
FAST, MODERN, SECURE VPN TUNNEL

- University VPN

All Free* and Open Source!

Understand the structure of the courses

Appreciate the course and fall in love with it.

See the program as a project. Every project has a start and an end.



Planning and Mindset

Plan based on **consultation** and **personal goals**:

- Invest in learning, integration, and lecturer engagement

“What you sow is what you reap, but understand that what you sow goes through a process to mature for reaping”



Culture, Conduct and Skills



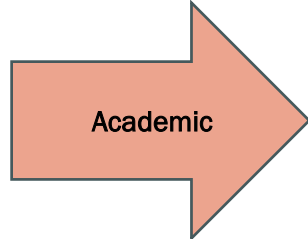
Tip:

Your best example for presentation is Prof. Wimmer and Dr. Spitzer.....

“Observe and mimic them”

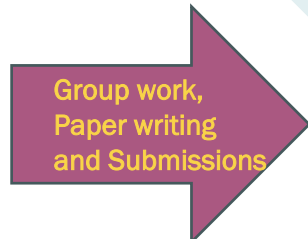
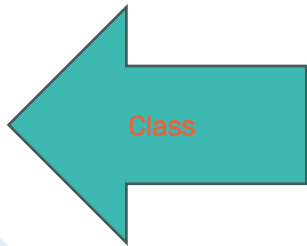
Remember:

“Punctuality is key in Deutschland”



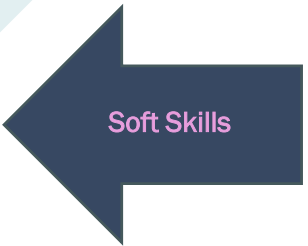
E-Gov dep is a family (You are known individually),
Know your lecturers and understand them
Take notes, Learn by observing

Listen with the heart and mind of a student
Be corrective, not argumentative
Don't try to outsmart (You cannot!!)
Be honest, sincere, and respectful



Learn how to Work in Groups
Scientific literature software (Mendeley, Zotero)
Timely submissions

Leadership
Collaboration and Teamwork
Presentation skills
Adaptability and resilience
Critical thinking and Problem Solvingetc



Course Selection Tips

What you should know about courses

E-Government

- **Top Priority:** Understand the research domain and its peculiar subjects, and scientific working and writing skills.

Information Systems

- **Top Priority:** Deepening IT knowledge in certain areas.

Elective Courses

- **Top Priority:** Develop skills based on your preferences.

Research Lab

- **Top Priority:** Working on a project from 0 to 100.

In all these routes,
teamwork is very
important.

Build memories

Every day is a memory in time. Yesterday is a memory of today, today will be a memory of tomorrow. Make the best out of the moment....

and

“

Save some of the memories, they remind you of how time is fleeting and how life is precious.

”

Reference

Cheng, A., Calhoun, A., & Reedy, G. (2025). Artificial intelligence-assisted academic writing: Recommendations for ethical use. *Advances in Simulation*, 10(1), 22. <https://doi.org/10.1186/s41077-025-00350-6>

Gibreel, O., & Hong, A. (2017). A Holistic Analysis Approach to Social, Technical, and Socio-Technical Aspect of E-Government Development. *Sustainability*, 9(12), 2181. <https://doi.org/10.3390/su9122181>

Grundén, K. (2009). *A Social Perspective on Implementation of e-Government—A Longitudinal Study at the County Administration of Sweden*. 7(1).

Khan, G. F., Moon, J., Park, H. W., Swar, B., & Rho, J. J. (2011). A socio-technical perspective on e-government issues in developing countries: A scientometrics approach. *Scientometrics*, 87(2), 267–286. <https://doi.org/10.1007/s11192-010-0322-5>

Lindahl, J. F., & Grace, D. (2018). Students' and supervisors' knowledge and attitudes regarding plagiarism and referencing. *Research Integrity and Peer Review*, 3(1), 10. <https://doi.org/10.1186/s41073-018-0054-2>

**Brace Yourself for Impact.....the
Journey will not be easy!!!!**



Thank you

Q&A

Credit: This presentation was created by Alvan Rahimli (arahimli@uni-koblenz.de), Ali Siah (alisiah@uni-koblenz.de), Paulina Duruye (pduruye@uni-koblenz.de) and Chester Owusu-Ansah Essel (chesteressel@uni-koblenz.de) on 27 March 2026, with the kind courtesy of Dr Vera Spitzer, who invited us to support the department in welcoming the 2026 cohort of E-Government students.

Images sourced from Freepik.com and websites of respective software's