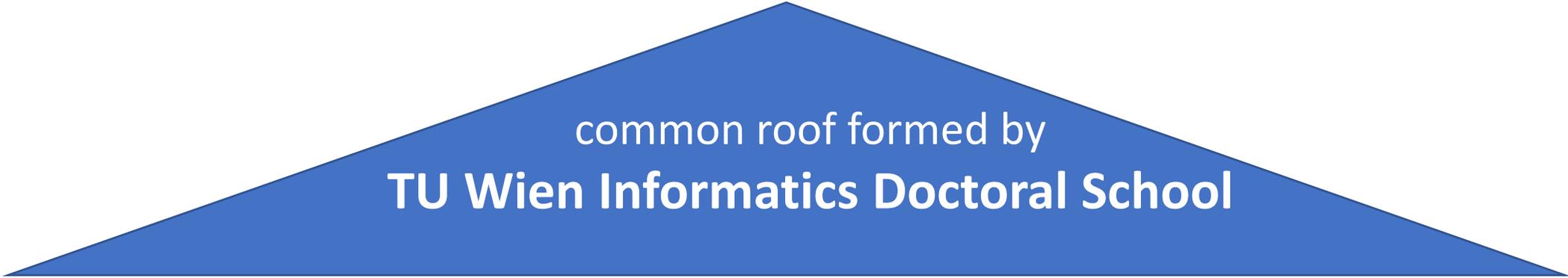


# TU Wien Informatics Doctoral School

Information Event  
March 3, 2026

*Andreas Steininger*





common roof formed by  
**TU Wien Informatics Doctoral School**

different ways of funding a doctoral degree at our faculty

**Doctoral Colleges**

**Teaching Assistants**

**Research Assistants**

**Self-Funded PhDs**

...

*different areas, different institutes, different supervisors, ...*

but the same curriculum, process, evaluation criteria apply to every doctoral student

the Doctoral School is not a secluded club –  
every doctoral student is considered member of our Doctoral School

currently ~400



- ✓ Excellent Supervision
- Well-thought Dissertation Process
- Quality Assurance
- Structured Curriculum
- Top-class Guest Professors
- Information & Support of Students
- Teambuilding & Socializing



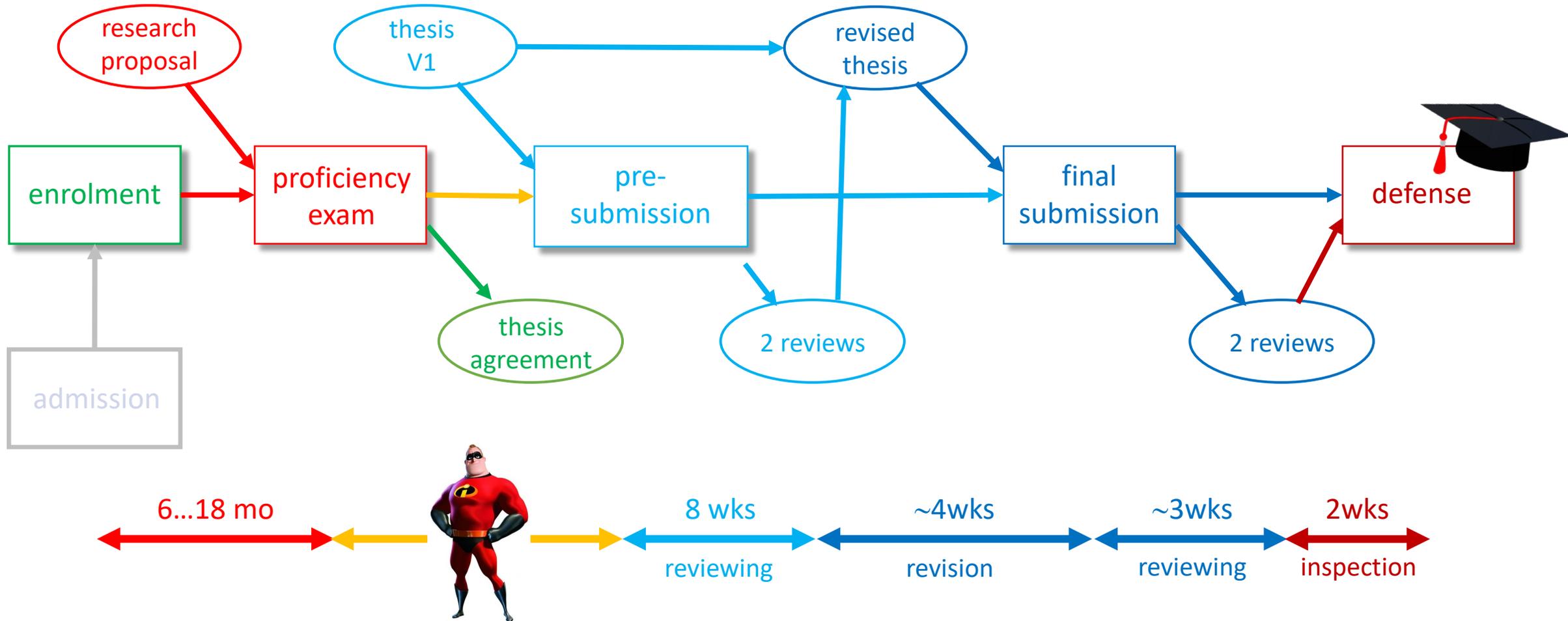
➤ **Mission:**

- ✓ ...to provide you with an environment that encourages you to contribute to technology advancement through systematic, yet creative research. Our program enables you to become an independent researcher capable of generating, pursuing, and communicating novel research ideas. To achieve this, you will be involved in research activities as soon as possible.

➤ **Services** (in tight cooperation with the Deans of Academic Affairs & Dean's Office):

- ✓ maintain unified interface inside and to the outside (webpage, Q&A)
- ✓ implement the basic curriculum (mandatory lectures)
- ✓ organize guest lectures (selection, invitation, operation...)
- ✓ organize special courses in house (Current Trends in CS, Proposal Writing)
- ✓ coordinate calls and selection for PhD awards
- ✓ stimulate teambuilding (social events)
- ✓ keep contact to doctoral students, provide aid (relay info, give pointers when problems)
- ✓ inform (events), coordinate, provide facts & figures

# The Path to the Doctoral Degree



research proposal (~10p) & presentation (30')

- ✓ outline the research challenge you want to address
- ✓ put in context with related work (>10 ref's)
- ✓ outline envisioned methodology
- ✓ sketch the expected output
- ✓ give a time table including publications
- ✓ present a plan for your 18 ECTS coursework

*Is the topic scientifically challenging?*

*Is the candidate proficient in the field?*

*Is the methodology appropriate?*

*Does the thesis doable?*

*Does the candidate know the relevant venues?  
does it align with the rules,  
does it make sense?*

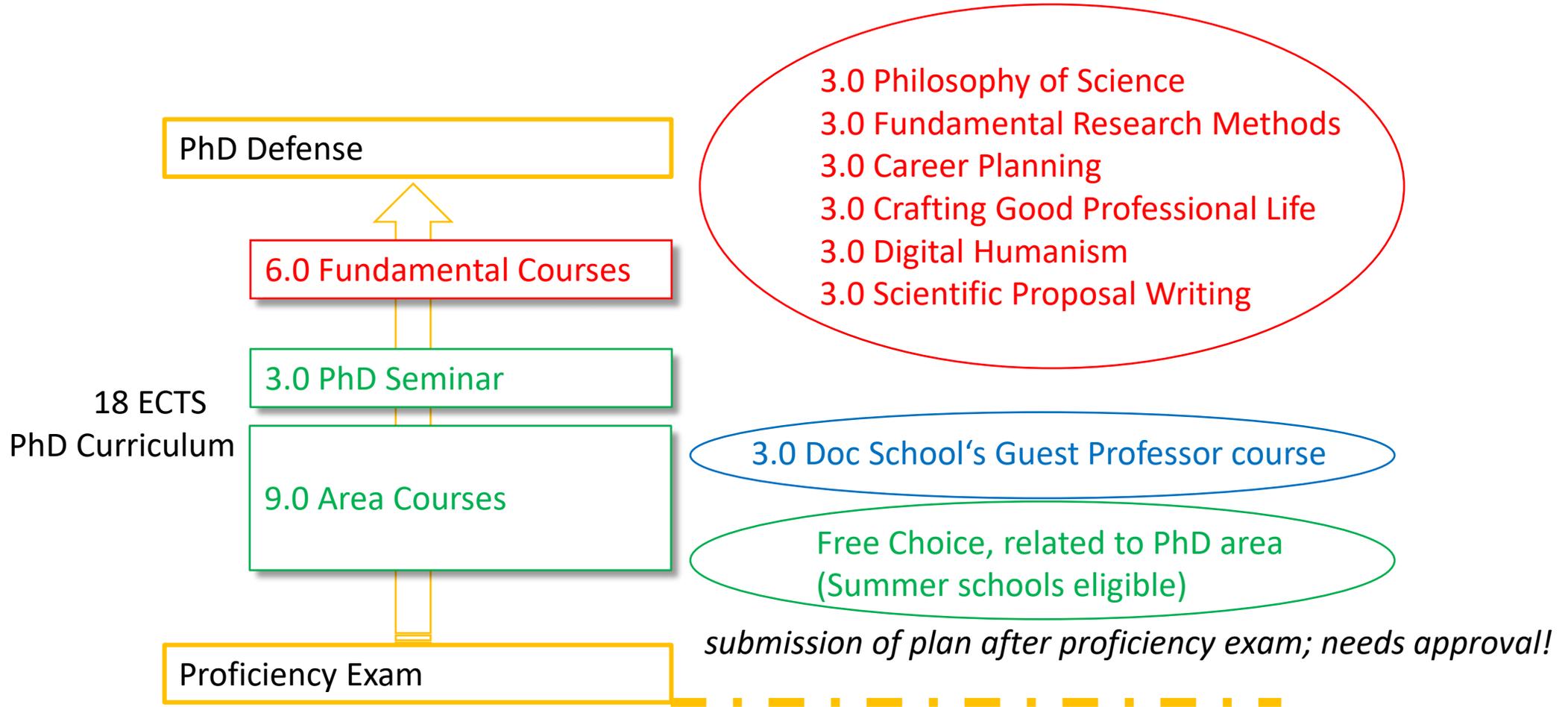
- ✓ early feedback & transparency through proficiency exam
- ✓ extra guidance by PE members: National Expert & Chair
- ✓ extra certainty through clear commitments in thesis agreement
- ✓ grading of thesis by 2 independent experts
- ✓ possibility for thesis revision
- ✓ thesis & reviews open for inspection by faculty

## Cumulative

- a minimum of three published, peer-reviewed publications is required (at least one of them being a journal publication)
- needs specific approval by the Dean of Academic Affairs (specific template & co-author statements)
- Guideline of Vice Rector Academic Affairs to be followed:  
<https://informatICS.tuwien.ac.at/study-services/doctoral-graduation/doctoral-thesis-cumulative-richtlinie.pdf>

## Monographic

- the thesis must include three peer-reviewed publications, of which one may still be submitted (but not yet published) at the time the thesis is finalized.



As a reminder: In total minimum 18 ECTS required

- **fundamental courses**

- Philosophy of Science (M)
  - Research & Career Planning for Doctoral Students (M)
  - Fundamental Research Methods for Doctoral Students (M)
  - Crafting Good Professional Life
  - Digital Humanism
  - Scientific Proposal Writing
- min 6 ECTS, min 1 methodology*

- **area courses**

- PhD seminar, 3 ECTS
  - visiting professor courses, min 3 ECTS
  - own choice of courses related to research area
- min 12 ECTS, at most 6 ECTS seminar*

*submission of plan after proficiency exam; need approval!*



- Information of the Dean's Office about Doctoral Study Process  
<https://informatics.tuwien.ac.at/study-services/doctoral-graduation/>
- Webpage of the TU Wien Informatics Doctoral School  
<https://informatics.tuwien.ac.at/doctoral/>
- Standard Procedure for Doctoral Program at the Faculty of Informatics  
<https://informatics.tuwien.ac.at/doctoral/procedure/>
- **Registration to Doctoral School news:**  
[https://inn.tuwien.ac.at/socialevents\\_doctoralstudents](https://inn.tuwien.ac.at/socialevents_doctoralstudents)
- Admission Office  
<https://www.tuwien.at/en/studies/admission/admission-to-a-doctoral-programme>
- TUW DOC School's Mentorship Program  
<https://www.tuwien.at/en/research/tuw-doctoral-center/p2p-doc-mentorship-program>
- Fachschaft Doktorat  
<https://fsdr.at/>
- TU Wien – Student Support  
<https://www.tuwien.at/en/studies/student-support>
- **Psychosocial Counselling**  
<https://www.tuwien.at/en/studies/student-support/psychological-counselling-and-mental-health>
- **Ombuds Office for Academic Affairs**  
<https://www.tuwien.at/en/studies/student-support/ombuds-office-for-academic-affairs>

**Lehre**

- Lehrangebot
  - Lehrveranstaltungen
  - Studienangebot
  - Abschlussarbeiten
- Vorregistrierung
- Mobility Services
- roomTUlearn
- Raumverwaltung
  - Belegungsplan
- Unterstützungsangebote für Studierende

## TU Wien Informatics Doctoral School

Strukturansicht | Semesteransicht

2026S (Studienplannovelle 2011U)

2026S |  Studienjahr anzeigen

Titel	Anm.Bed.	Stunden	ECTS
<b>TU Wien Informatics Doctoral School</b>			
<b>Fundamental Courses</b>			
VU Philosophy of Science			3.0
VU Innovation			3.0
VU Research Methods in Computer Science			3.0
VU Fundamental research methods for doctoral students		2.0	3.0
195.079 VU 2026S Fundamental research methods for doctoral students		2.0	3.0
SE Research and Career Planning for Doctoral Students		2.0	3.0
VU Research and Career Planning for Doctoral Students		2.0	3.0
195.098 VU 2026S Research and Career Planning for Doctoral Students		2.0	3.0
VU Being a Researcher		2.0	3.0
VU From surviving to thriving: crafting your good professional life		2.0	3.0
VU Digital Humanism for Doctoral Students		2.0	3.0
194.178 VU 2026S Digital Humanism for Doctoral Students		2.0	3.0
VU ProWriting - Effective Research Project Proposal Writing for Public Funding: Write up your research ideas		2.0	3.0
195.109 VU 2026S ProWriting -- Effective Research Project Proposal Writing for Public Funding		2.0	3.0
<b>Area Courses / Guest Professor Courses</b>			
<b>Current semester</b>			
VU Introduction to Quantum Algorithms		2.0	3.0
199.022 VU 2026S Introduction to Quantum Algorithms		2.0	3.0
VU Special Topics on Memory-Centric Computing		2.0	3.0
199.033 VU 2026S Special Topics on Memory-Centric Computing		2.0	3.0
VU Computational Bioengineering		2.0	3.0
199.035 VU 2026S Computational Bioengineering		2.0	3.0
VU System-Level Design of Embedded Systems		2.0	3.0
199.036 VU 2026S System-Level Design of Embedded Systems		2.0	3.0
<b>Last Semester</b>			
VU Advanced Topics in Verification and Synthesis for AI-Enabled Cyber-Physical Systems		2.0	3.0
VU Knowledge Representation for Robotics, Automotive, and SmartCities		2.0	3.0

LEHRE

FORSCHUNG

ORGANISATION

- **199.035 Computational Bioengineering**

Lecturer: Matthias Függer, CNRS – LMF, Université Paris-Saclay

Course start: May 6

- **199.036 System-Level Design of Embedded Systems**

Lecturer: Andreas Gerstlauer, The University of Texas in Austin

Course start: June 1

- **199.022 Introduction to Quantum Algorithms**

Lecturer: Johannes Buchmann, Technical University of Darmstadt

Course start: June 1

*all VU 3.0*

- [199.033 Special Topics on Memory-Centric Computing](#)

Lecturer: Ing-Chao Lin, National Yang Ming Chiao Tung University, Taiwan

Course start: June 18

*all VU 3.0*

- **195.079 Fundamental Research Methods for Doctoral Students**

Introduction to Methodologies and Paradigms

Formal Methods, Quantitative Methods, Qualitative Methods, Design Methods

Lecturer: A. Steininger, S. Woltran, C. Huemer, P. Filzmoser, P. Wozniak

Course start: March 10

- **184.778 Research and Career Planning for Doctoral Students**

Lecturer: Emanuel Sallinger, G. Gottlob, E. Laurenza

Course start: April 16

- **195.109 ProWriting – Effective Research Proposal Writing for Public Funding**

Lecturer: S. Biffl, A. Ciabattoni, C. Maszl-Kantner, H. Mikula, S. Müller,  
X. Strobl, A. Steininger

Course start: March 3

- **194.178 Digital Humanism for Doctoral Students**

Lecturer: P. Knees, J. Neidhardt, E. Prem, L. Moravec, M. Lindorfer

Course start: March 11

## **Current Trends in Computer Science (VU 1.5, 195.072)**

- Ring lecture with talks given by the guest professors of the current study year
- offered throughout winter and (following!) summer term
- Most likely we have 8 talks in total during this study year 2025/26 (check TISS & TUWEL)

requirements for positive grade:

- Preferably students attend 4 talks, choose 3 of those for their report and give a summary of at least 2 pages for each.
- For students who can only attend 3 talks this summary must comprise at least 3 pages for each talk.

The course will end after the summer term, a further combination with talks of the winter term 26/27 will not be possible.

- Regular Info Events (process, upcoming guest prof courses, Q&A,...)
- Social Events
  - Special-focus Guided Tours  
(„Vienna for students“, „Hidden Secrets of Vienna“, ...)
  - Visit & Tour of Ottakringer Beer Brewery
  - Visit of Vienna Museum of History
  - Visit of Christmas Market
  - Curling
  - ...
- Doctoral Stammtisch

organized by group Student Support, once a month, next one: March 18

<https://www.tuwien.at/en/studies/student-support/get-togethers-for-doctoral-students>



You want to receive information about future social events

- please register here:

[https://inn.tuwien.ac.at/socialevents\\_doctoralstudents](https://inn.tuwien.ac.at/socialevents_doctoralstudents)

Thank you!