

TU Wien Informatics Doctoral School

Information Event
Oct 1, 2024

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



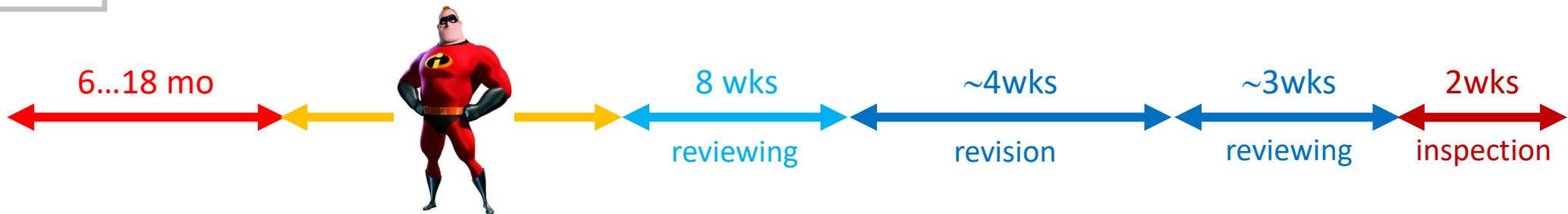
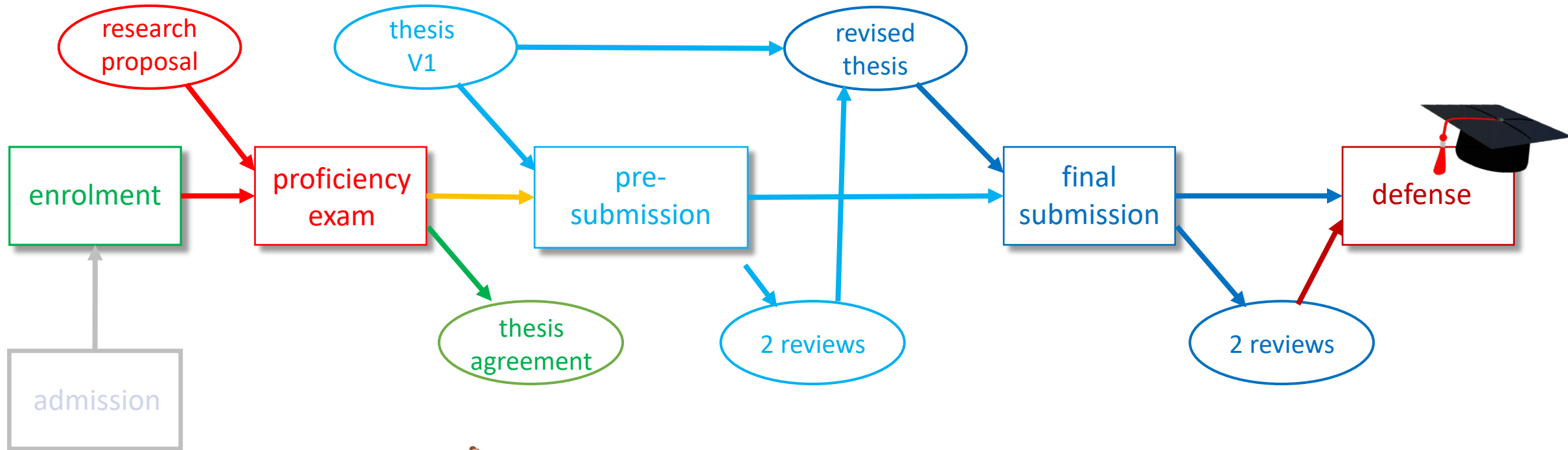
➤ **Mission:**

- ✓ ...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)
- ✓ 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?

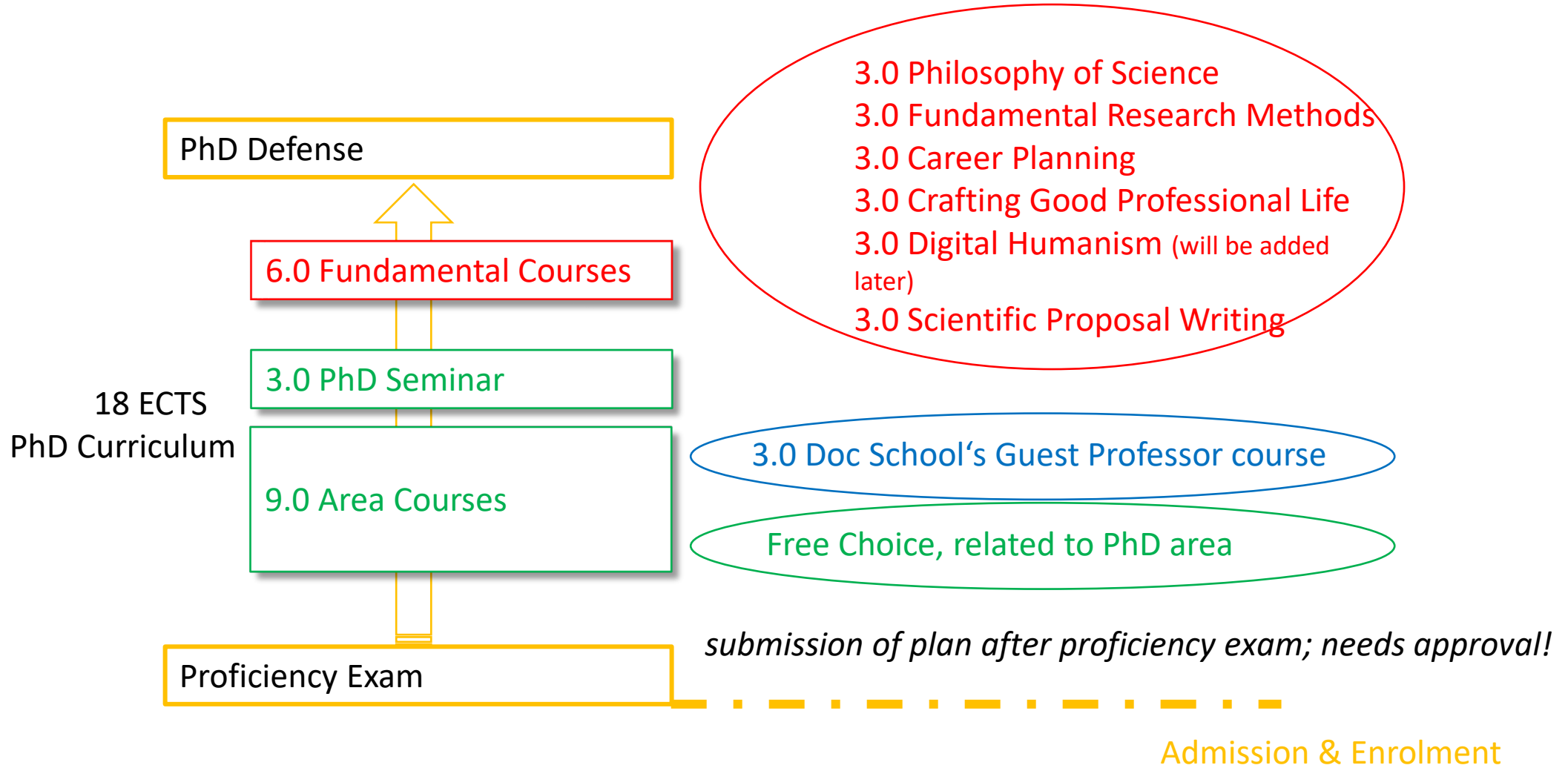
Is the candidate proficient in the field?

Is the methodology appropriate?

Does the thesis doable?

*Does the candidate know the relevant venues?
Does the plan 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



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 (will be added later!)
 - 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 or PV*

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
- Admission Office
<https://www.tuwien.at/en/studies/admission/the-conditions-for-international-students/doctoral-programme/>
- TUW DOC School's Mentorship Program
<https://www.tuwien.at/forschung/tuw-doctoral-school/peer2peer-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>

Curriculum TU Wien Informatics x

https://tiss.tuwien.ac.at/curriculum/public/curriculum.xhtml?dswid=6657&dssid=65&key=63764

TISS

Clarissa Schmid English Hilfe Logout

Lehre

- Best Teaching Awards
 - Nominierung
- Lehrangebot
 - Lehrveranstaltungen
 - Studienangebot
 - Abschlussarbeiten
- Studienbewerbung
- LVA Cockpit
 - Favoriten
 - Nachrichten
 - Kalender
 - Zeugnisse
 - Studienabschluss
- Meine Lehre
 - LVA Administration
 - Prüfungen
 - Abhaltemeldung
 - Studierendendaten
 - TAN Briefe
- Curricula
 - Bearbeitung
 - Unbestätigte Zuordnungen
- STEOP
 - Steop-Management
 - Studierenden-Verwaltung
 - Studierenden-Status prüfen
 - Konsistenz-Check
- Abschlussarbeiten
 - Administration
 - Übermittlung Noten
- Mobility Services

TU Wien Informatics Doctoral School

Strukturansicht | Semesteransicht

2024W-2025S (2011U) 2024W | Studienjahr anzeigen







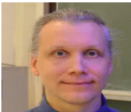
Titel	Anm.Bed.	Stunden	ECTS
TU Wien Informatics Doctoral School			
Fundamental Courses			
VU Philosophy of Science			20.0
195.080 VU 2024W Philosophy of Science		2.0	3.0
VU Innovation			3.0
VU Research Methods in Computer Science			3.0
VU Fundamental research methods for doctoral students		2.0	3.0
SE Research and Career Planning for Doctoral Students		2.0	3.0
VU 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
199.096 VU 2024W From surviving to thriving: crafting your good professional life		2.0	3.0
Area Courses			
VU PhD Primary Area Computer Engineering Introduction			3.0
VU Foundations of Data and Knowledge Systems			3.0
VU Introduction to Media Informatics and Visual Computing at VUT			3.0
VO Foundations of Business Informatics			3.0
VU Advanced Topics in Service-oriented and Cloud Computing		2.0	3.0
VU Model Checking		2.0	3.0
VU Discrete Mathematics and Probability			3.0
VU Formal Methods			3.0
VU Linear Algebra			3.0
VU Algorithms			3.0
VU Shape from function methods			3.0

LEHRE FORSCHUNG ORGANISATION


Guest Professors

International collaboration and exchange is in our DNA.
We host a multitude of guest professors from all over the world each year.

2024

 <p>Gordana Dodig-Crnko Mälardalen University and Chal... Sweden</p>	 <p>Giancarlo Guizzardi University of Twente Netherlands</p>	 <p>Thomas Haigh University of Wisconsin-Milwau... USA</p>
 <p>Wolfgang Reisig Humboldt-Universität Berlin Germany</p>	 <p>Konrad Rieck TU Berlin Germany</p>	 <p>Viola Schiaffonati Politecnico di Milano Italy</p>
 <p>Matti Tedre University of Eastern Finland Finland</p>		

Seite durchsuchen Alle hervorheben Groß-/Kleinschreibung Akzente Ganze Wörter

Suche  DEU DE 09:00 01.10.2024



- **199.021 Ontology-Driven Conceptual Modeling**

Lecturer: Prof. Giancarlo Guizzardi, University of Twente

Course start: Oct 14

- **199.020 A Short History of Artificial Intelligence**

Lecturer: Prof. Thomas Haigh, University of Wisconsin-Milwaukee

Course start: Nov 5

all VU 3.0

- **199.096 From surviving to thriving: crafting your good professional life**

Lecturer: Prof. Geraldine Fitzpatrick

Course start: Oct 4

- **195.080 Philosophy of Science**

Lecturer: Prof. Matti Tedre, University of Eastern Finland

Course start: Oct 23

all VU 3.0

- **195.079 Fundamental Research Methods for Doctoral Students**
Introduction to Methodologies and Paradigms
 - Qualitative Methods
 - Formal Methods
 - Quantitative Methods
 - Design Methods

- **195.109 ProWriting – Effective Research Project Proposal Writing for Public Funding**
Lecturers: S. Biffl, A. Ciabattoni, C. Maszl-Kantner, E. Schludermann, A. Steininger

- **195.098 (=184.778) Research and Career Planning for Doctoral Students**
Lecturers: E. Sallinger

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 summer term
- Highly probable that we have 6 talks in total during this study year 2024/25 (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 25/26 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
 - ...



You want to receive information about future social events

- please register here:

https://inn.tuwien.ac.at/socialevents_doctoralstudents



Informatics

Thank you!