

TU Wien Informatics Doctoral School

Information Event
March 1, 2022

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

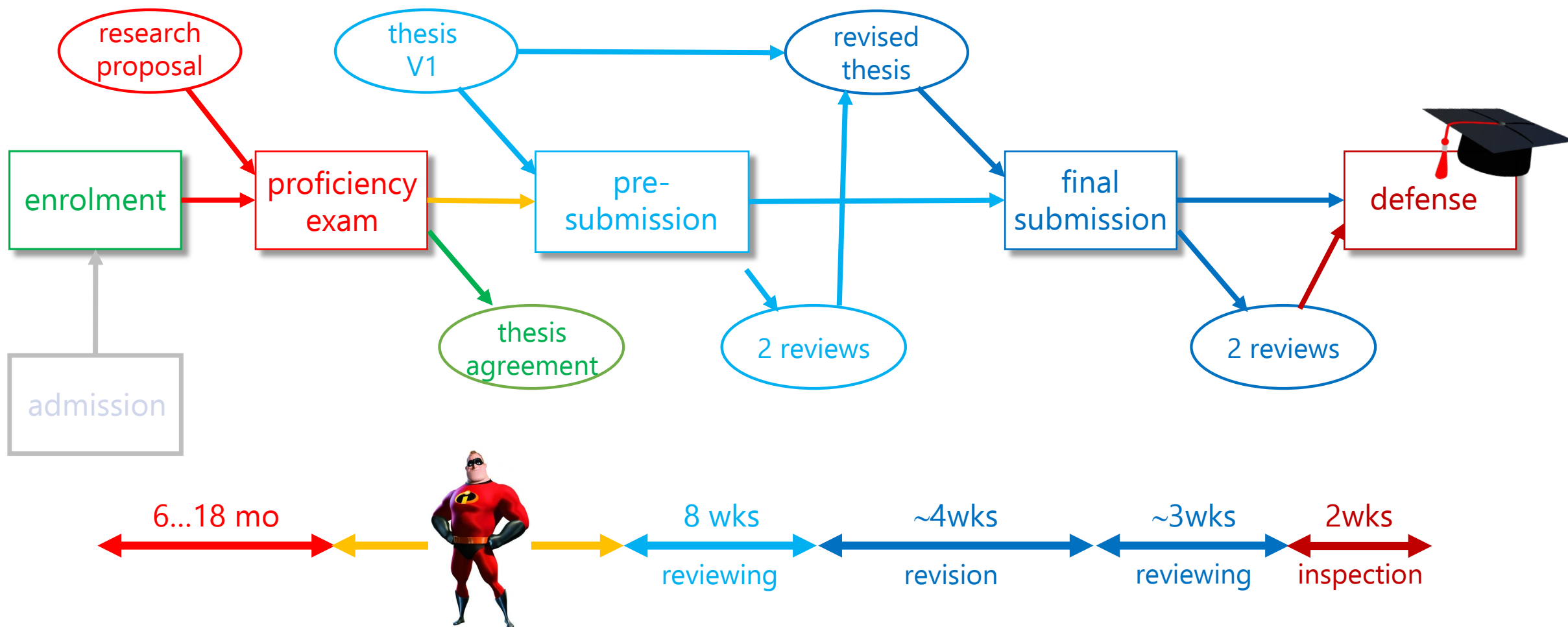
➤ **Mission:**

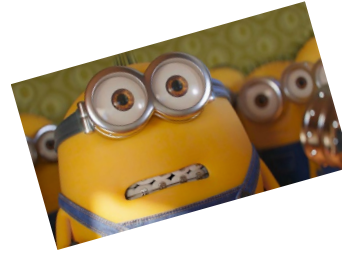
- ✓ ...to provide you with an environment that encourages you to contribute to technology advancement through systematic, yet creative research. Our program enables you to become an independent researcher capable of generating, pursuing, and communicating novel research ideas. To achieve this, you will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



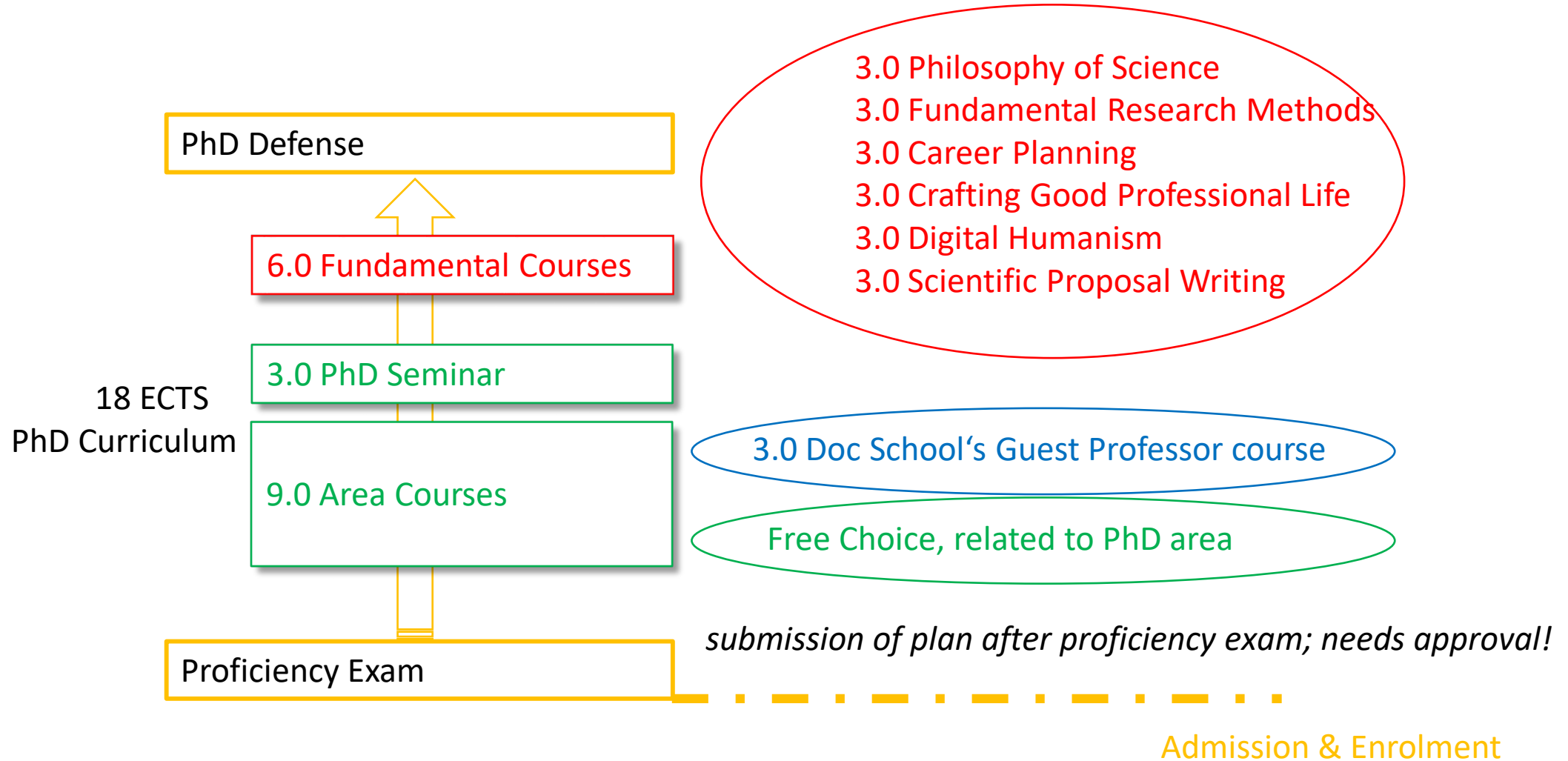


Why so complicated ?

Top quality doesn't come for free

- ✓ early feedback & transparency through proficiency exam
- ✓ extra guidance by PE members
- ✓ grading of thesis by 2 independent experts
- ✓ possibility for revision
- ✓ thesis & reviews open for inspection by faculty

Structured Curriculum



As a reminder: In total minimum 18 ECTS required

- **fundamental courses**

- Philosophy of Science (M)
 - Research & Career Planning for Doctoral Students
 - 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 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/>

Curriculum TU Wien Informatics X

Zoom der Technischen Universit X

← → ↻

https://tiss.tuwien.ac.at/curriculum/public/curriculum.xhtml?dswid=6859&dsrid=196&key=63764

☆

Meistbesucht

Weitere Lesezeichen

TISS

Lehre

Lehrangebot

Lehrveranstaltungen

Studienangebot

Abschlussarbeiten

Studienbewerbung

Mobility Services

roomTUlearn

Raumverwaltung

Belegungsplan

English

Hilfe

Login

TU WIEN

LEHRE

FORSCHUNG

ORGANISATION

TU Wien Informatics Doctoral School

Strukturansicht | Semesteransicht

2021W-2022S (2011U)

2022S | ☒ Studienjahr anzeigen

Titel	Anm.Bed.	Stunden	ECTS
TU Wien Informatics Doctoral School			
Fundamental Courses			20.0
VU Philosophy of Science			3.0
195.080 VU 2021W Philosophy of Science DL		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
195.079 VU 2022S Fundamental research methods for doctoral students DL		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 2021W Research and Career Planning for Doctoral Students DL		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

Zur Suche Text hier eingeben

5°C

DEU

15:58

28.02.2022

- **Fundamental Research Methods for Doctoral Students,**
course 195.079
schedule: course start March 8

- | | |
|---|----------------|
| ▪ Introduction to Methodologies and Paradigms | G. Fitzpatrick |
| ▪ Qualitative Methods | G. Fitzpatrick |
| ▪ Formal Methods | U. Egly |
| ▪ Quantitative Methods | A. Posekany |
| ▪ Design Methods | C. Huemer |

- **All VU 3.0**

- **Design of Asynchronous Circuits and Systems**

Prof. Alex Yakovlev, Newcastle University
Course start: March 8

- **Software Testing: From Basic Concepts to Advanced Topics**

Prof. Leonardo Mariani, University of Milano-Bicocca
Course start: March 28

- **Software Design for Cyber-Physical Systems**

Prof. Edward Lee, University of California at Berkeley
Course start: May 2

- **Verification of Probabilistic Programs**

Prof. Joost-Pieter Katoen, RWTH Aachen and University of Twente
Course start: May 2

- **All VU 3.0**

- **AI Policies: The Evolving Legal Domain**

Prof. Marc Rotenberg, Center for AI and Digital Policy, Georgetown Law
Course start: May 2

- **Defeasible Reasoning**

Prof. Thomas (Tommie) Meyer, University of Cape Town
Course start: May 17

- **Design-for-Trust in VLSI Circuits**

Prof. Ozgur Sinanoglu / New York University Abu Dhabi
Course start: May 30

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 offer at least 6 talks in total during this study year 2021/22 (but uncertainties caused by Covid)
- requirements for positive grade:
 - Preferably students attend 5 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 4 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 22/23 will not be possible.)

Elective courses, not to be counted for the 18 ECTS of our doctoral program

TU Wien Bibliothek offers a varied course & workshop programme for students and (young) researchers, from citing sources correctly to open access publishing and metrics to dissemination strategies for scientific research results.

For more information see:

<https://www.tuwien.at/en/library/advisory-services-and-courses/courses>

TU Wien's HR Development Group offers support for different demands (referring to professional goals but also working conditions and working environment).

All information available here:

<https://www.tuwien.at/en/tu-wien/organisation/central-divisions/hr-development/target-group-academic-staff>

F.i. the WINA+ Program (Coaching for Predocs)

<https://www.tuwien.at/en/tu-wien/organisation/central-divisions/hr-development/target-group-academic-staff/wina-coaching-for-predocs>



You want to receive information about future social events

- please register here:

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



Informatics

Thank you!