TU Wien Informatics Doctoral School

Information Event
OCT 4, 2021

Andreas Steininger

Informatics

Doctoral Education at our Faculty

common roof formed by
TU Wien Informatics Doctoral School
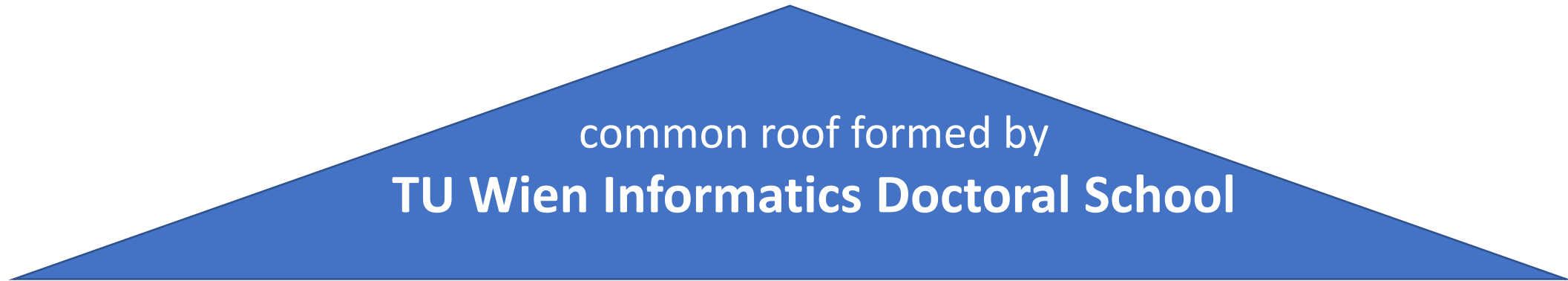
different ways of funding a doctoral degree at our faculty

| 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 –
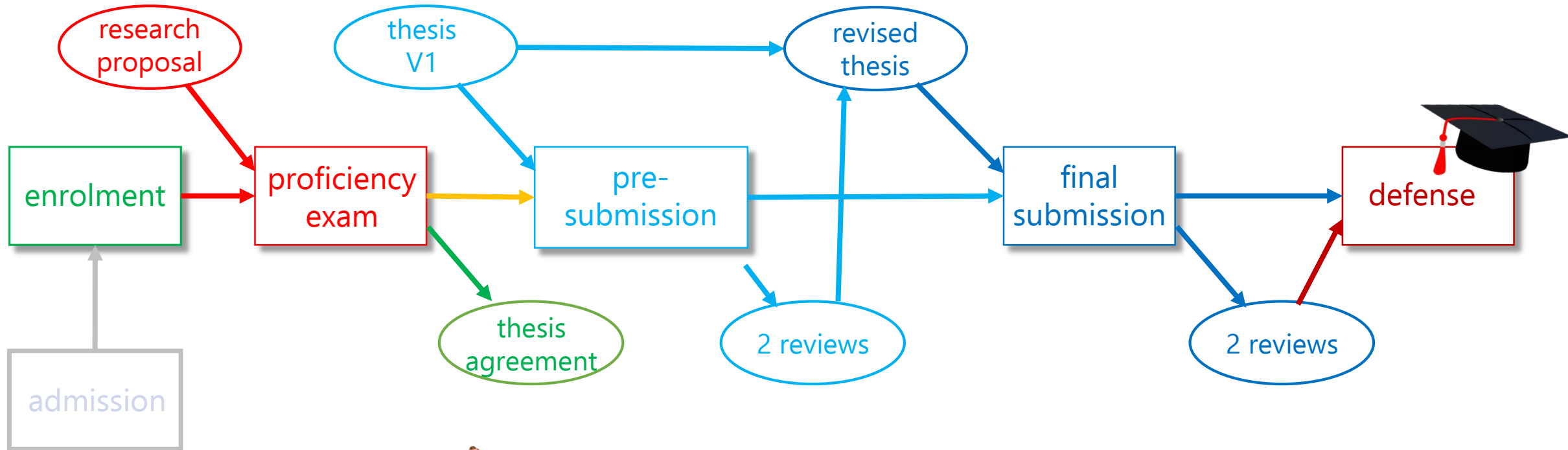every doctoral student is considered member of our Doctoral School

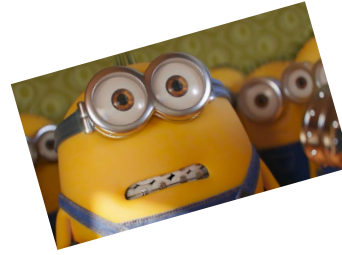# Informatics

TU Wien Informatics 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

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The Path to the Doctoral Degree

research proposal

thesis V1 → revised thesis

enrolment → proficiency exam → pre-submission → final submission → defense

thesis agreement

2 reviews

2 reviews

admission

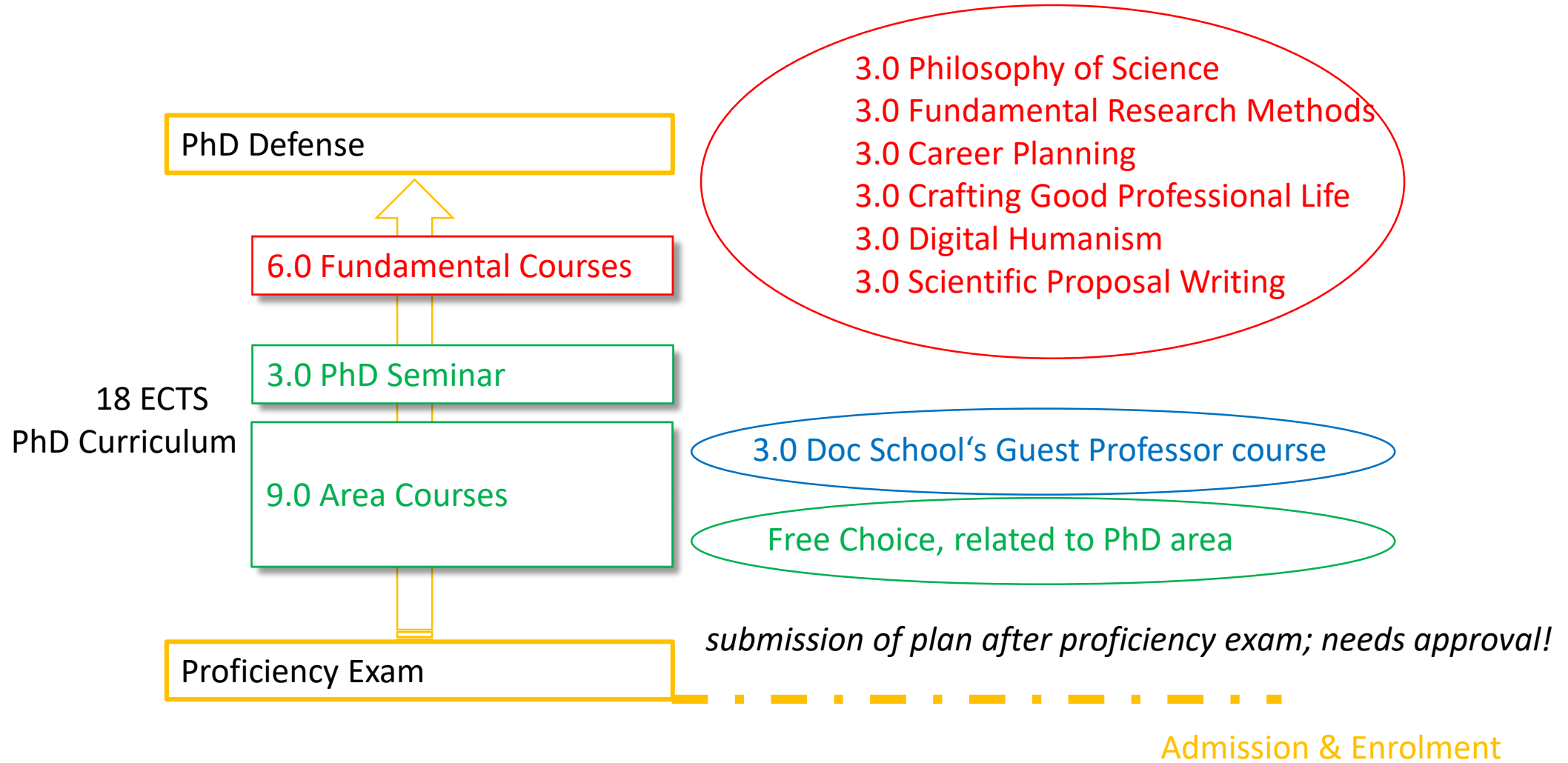6...18 mo   8 wks reviewing   ~4wks revision   ~3wks reviewing   2wks inspection

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

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PhD Defense

3.0 Philosophy of Science
3.0 Fundamental Research Methods
3.0 Career Planning
3.0 Crafting Good Professional Life
3.0 Digital Humanism
3.0 Scientific Proposal Writing

6.0 Fundamental Courses

18 ECTS PhD Curriculum

3.0 PhD Seminar

9.0 Area Courses

3.0 Doc School's Guest Professor course

Free Choice, related to PhD area

submission of plan after proficiency exam; needs approval!

Proficiency Exam

Admission & Enrolment

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As a reminder: In total minimum18 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!

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- 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 TISS

- **From surviving to thriving: crafting your good professional life,**
  course 199.096
  schedule: course start Oct 6 (mostly online)
  - Lecturer: Prof. Geraldine Fitzpatrick

- **Research and Career Planning for Doctoral Students**,
  course 195.098 = course 184.778
  schedule: course start Oct 25
  - Lecturer: Prof. Georg Gottlob (online, tbc)

- **Philosophy of Science**,
  course 195.080
  schedule: course start planned B/Nov (online)
  - Lecturer: Prof. Matti Tedre / University of Eastern Finland

Area Courses by Guest Professors

- **All VU 3.0**

Winter term:

- **Strategic policy and technology challenges in the digital world, with a focus on the European Union**
  Course 199.095
  Schedule: Oct 27-29 and Nov 22-26 (in presence)
    Lecturer: Prof. Paul Timmers,
    research associate University of Oxford, adjunct professor European University Cyprus,
    former director European Commission

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 5 talks in total during this study year 2021/22 (but uncertainties caused by Covid)
- 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 22/23 will not be possible.)

Free live webinar by Informatics Europe

Informatics Europe wants to support and grow a thriving community of European PhD researchers and invites you to contribute to defining and growing this community.

„Thriving as a doctoral student in Informatics"

Date: 8 Oct 2021, 10:30-12:00 CET

Facilitators:

- **Prof. Dr. Geraldine Fitzpatrick**, TU Wien
- **Prof. Dr. Austen Rainer**, Queen's University Belfast, UK

Registration (deadline Oct 5): https://www.informatics-europe.org/survey/index.php/357277/lang-en

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You want to receive information about future social events

- please register here:

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

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Thank you!