

# TU Wien Informatics Doctoral School

Information Event  
OCT 4, 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

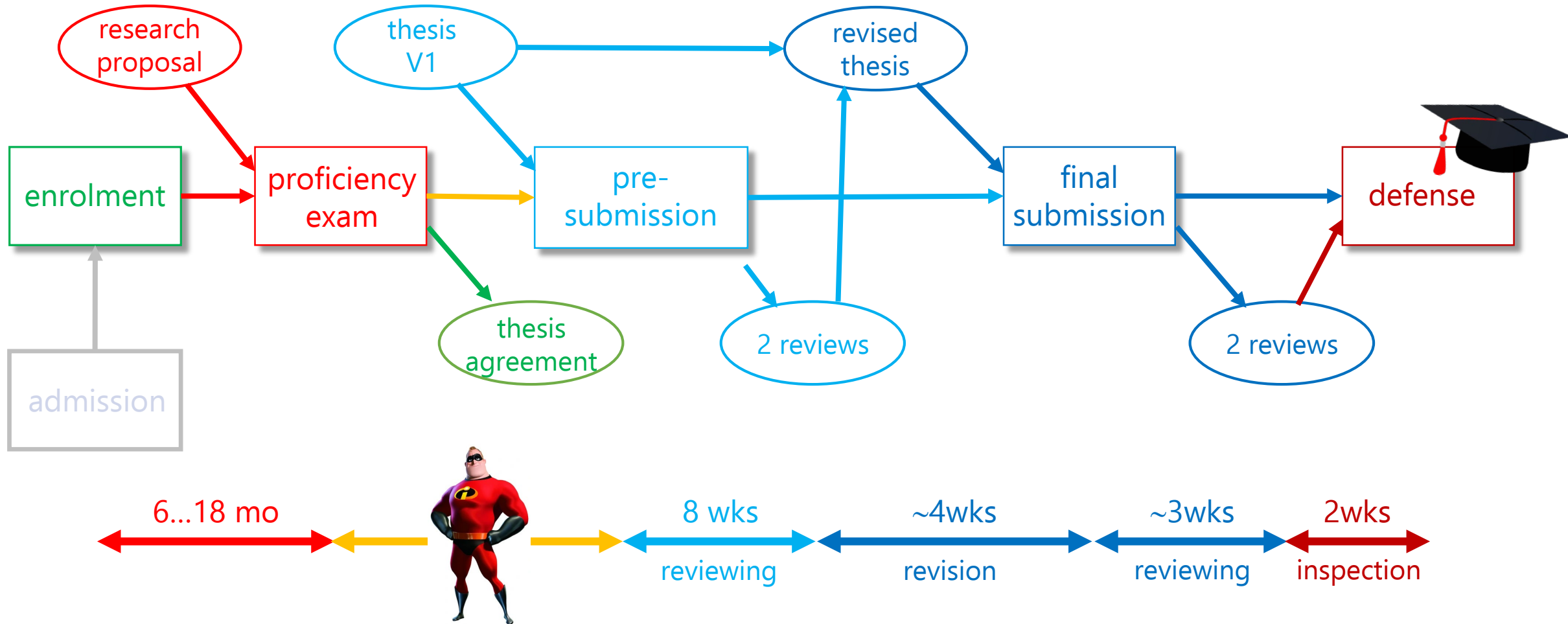
➤ **Mission:**

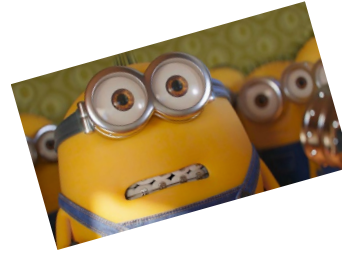
- ✓ ...to provide you with an environment that encourages you to contribute to technology advancement through systematic, yet creative research. Our program enables you to become an independent researcher capable of generating, pursuing, and communicating novel research ideas. To achieve this, you will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

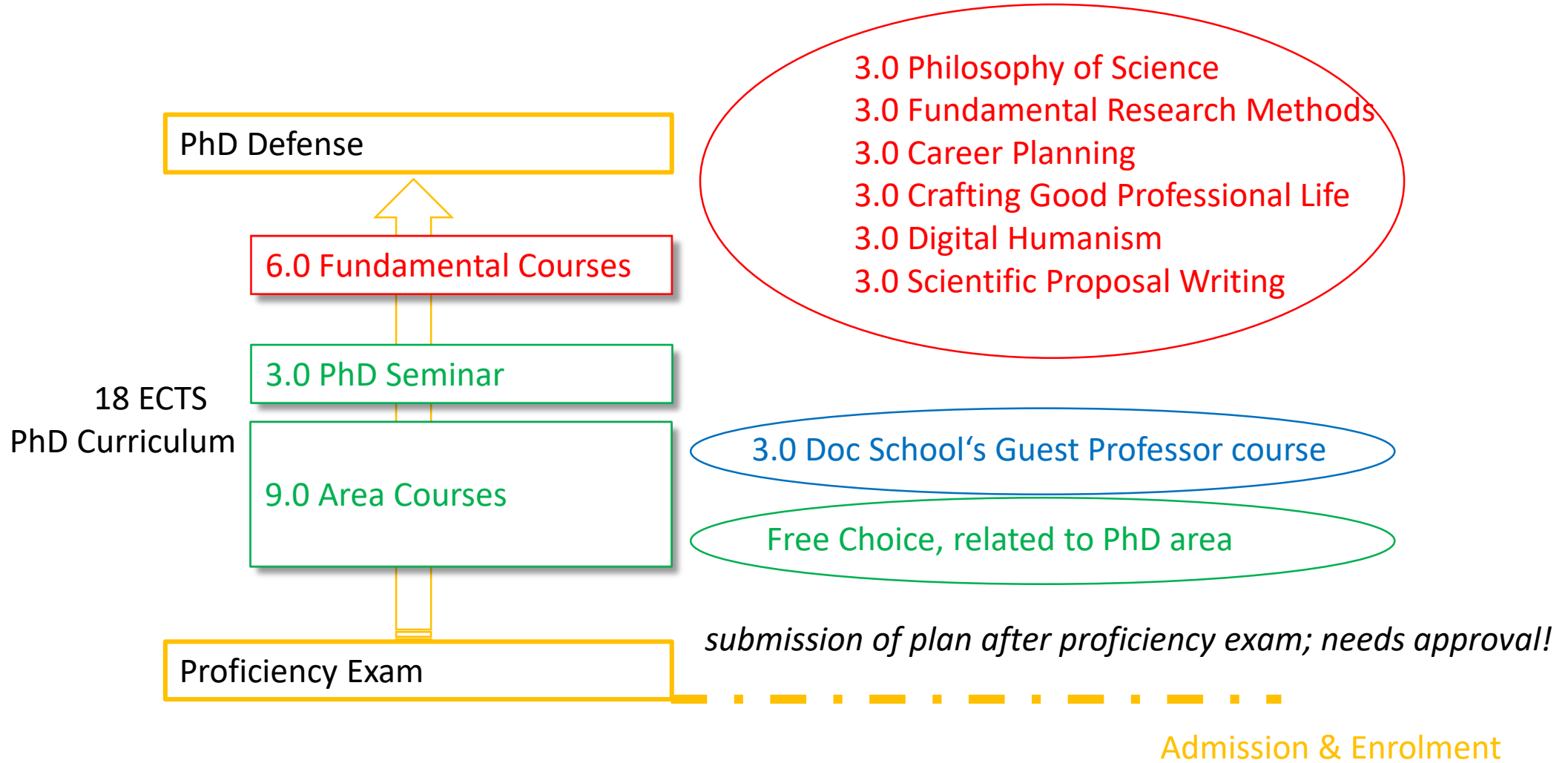




# Why so complicated ?

## 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



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*

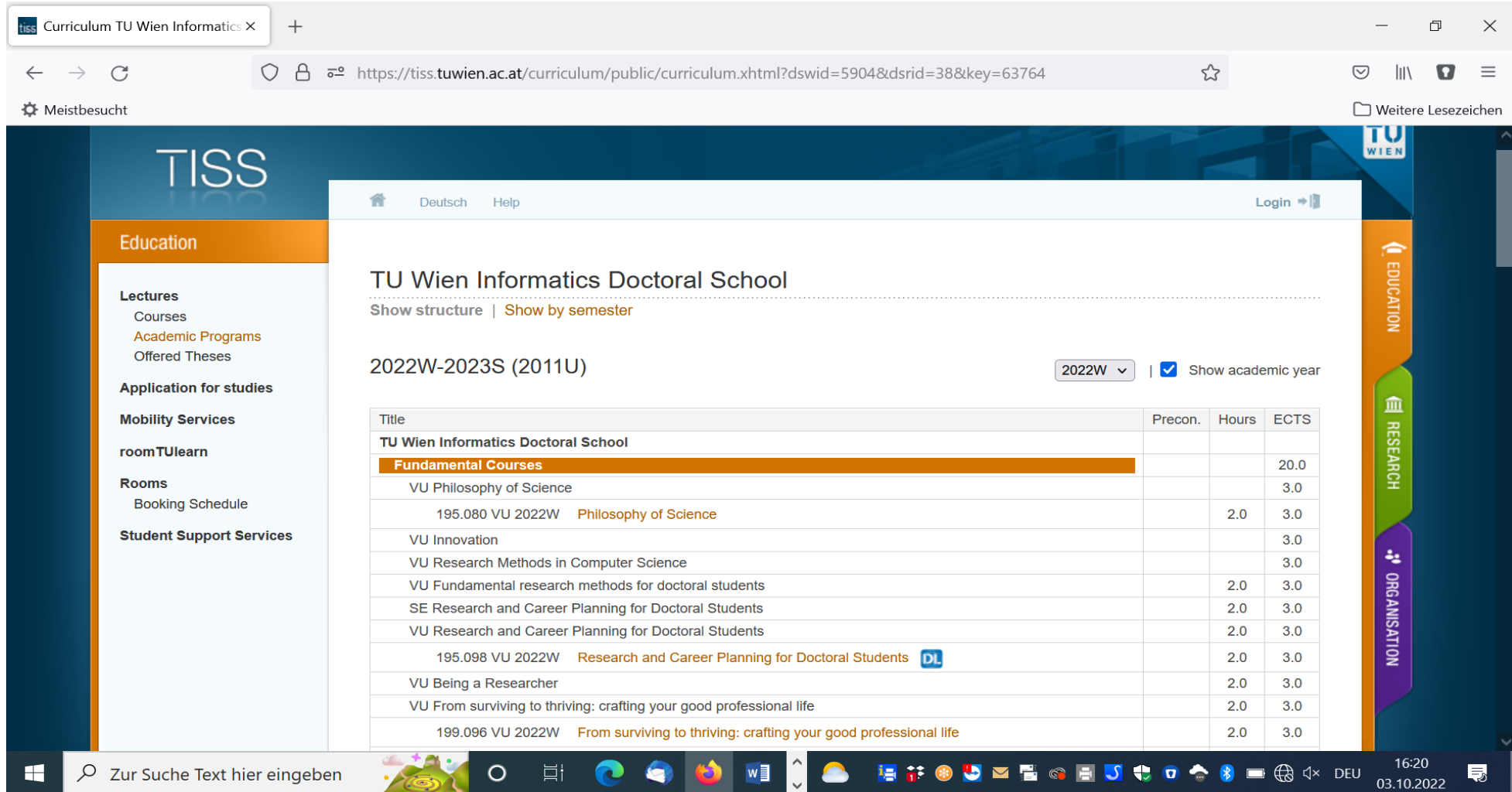
- **area courses**

- PhD seminar, 3 ECTS
  - guest 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](https://inn.tuwien.ac.at/socialevents_doctoralstudents)
- Admission Office  
<https://www.tuwien.at/en/studies/admission/the-conditions-for-international-students/doctoral-programme/>





The screenshot shows a web browser displaying the TISS curriculum page for the TU Wien Informatics Doctoral School. The page is in German and shows the curriculum for the academic year 2022W-2023S (2011U). The curriculum is structured as follows:

- TU Wien Informatics Doctoral School**
  - Fundamental Courses** (20.0 ECTS)
    - VU Philosophy of Science (3.0 ECTS)
      - 195.080 VU 2022W **Philosophy of Science** (2.0 Hours, 3.0 ECTS)
    - VU Innovation (3.0 ECTS)
    - VU Research Methods in Computer Science (3.0 ECTS)
    - VU Fundamental research methods for doctoral students (2.0 Hours, 3.0 ECTS)
    - SE Research and Career Planning for Doctoral Students (2.0 Hours, 3.0 ECTS)
    - VU Research and Career Planning for Doctoral Students (2.0 Hours, 3.0 ECTS)
      - 195.098 VU 2022W **Research and Career Planning for Doctoral Students** (2.0 Hours, 3.0 ECTS) **DL**
    - VU Being a Researcher (2.0 Hours, 3.0 ECTS)
    - VU From surviving to thriving: crafting your good professional life (2.0 Hours, 3.0 ECTS)
      - 199.096 VU 2022W **From surviving to thriving: crafting your good professional life** (2.0 Hours, 3.0 ECTS)

The browser address bar shows the URL: <https://tiss.tuwien.ac.at/curriculum/public/curriculum.xhtml?dswid=5904&dsrid=38&key=63764>. The page also features a sidebar with navigation options like 'Education', 'Research', and 'Organisation', and a Windows taskbar at the bottom.

- **From surviving to thriving: crafting your good professional life,**  
course 199.096  
schedule: course start Oct 7  
Lecturer: Prof. Geraldine Fitzpatrick
  
- **Research and Career Planning for Doctoral Students,**  
course 195.098 = course 184.778  
schedule: course start Oct 10
  - Lecturer: Prof. Georg Gottlob
  
- **Philosophy of Science,**  
course 195.080  
schedule: course start Nov 24
  - Lecturer: Prof. Matti Tedre / University of Eastern Finland

- **All VU 3.0**

## Winter term:

- **Geometric Spanner Networks**

Course 199.104

Course start Oct 6

Lecturer: Prof. Mohammad Farshi,  
Yazd University, Iran

- **Domain Science and Engineering**

Course 199.103

Course schedule: Oct 24 – Nov 4

Lecturer: Prof. Dines Bjørner,  
DTU Compute, Technical University Denmark

- **AI Ethics and Governance**

Course 199.105

Course schedule: E/Oct – E/Nov

Lecturer: Prof. Allison Stanger,  
Middlebury College, Stanford University, Harvard University, Santa Fe Institute

## **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 2022/23

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 23/24 will not be possible.)

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!