

# PhD Info Night

StV Doktorat TN  
Doktoratsstudium  
Naturwissenschaften und Technik



[www.oeh.jku.at](http://www.oeh.jku.at)  
[tnf-doktorat@oeh.jku.at](mailto:tnf-doktorat@oeh.jku.at)

# Student Union for Doctoral Programs TN

We ...

- Organize Events
- Provide Information  
[tnf-doktorat@oeh.iku.at](mailto:tnf-doktorat@oeh.iku.at)
- Represent Students within the University Organization





# Doctoral Programs at JKU for the TN

- **Doctorate in Engineering Sciences:** graduate as Dr.techn.
  - Curriculum: <https://studienhandbuch.jku.at/text/931>
  - Mechatronics, Electronics, Computer Science, AI, Physics, Mathematics, Chemistry, Polymer Technologies
  - For most applicants, this is the **standard option**.
- **Doctorate in Natural Sciences:** graduate as Dr.rer.nat.
  - Curriculum: <https://studienhandbuch.jku.at/text/932>
  - Didactics, AI, Chemistry, Physics, Computer Science, Biology



# Your Road to the PhD

- Find your supervisor
- Admission & Enrolment
- After 6-18 months: Dissertationskolloquium
- Courses
- Forms, forms, forms
- Write your thesis
- Submit thesis (and fill in more forms)
- Defend your thesis





# Your Road to the PhD

|  |  |
|--|--|
| <b>Dissertation subject (19,5 ECTS)</b>      |  |
| Dissertationskolloquium                      | 1,5 ECTS                                     |
| Gender Studies                               | 1,5 ECTS                                     |
| Electives (decision with primary supervisor) | 9-12 ECTS<br>(from PhD & TNF master pool)    |
| Free electives (chosen by the student)       | 4,5-7,5 ECTS<br>(from PhD & TNF master pool) |
| <b>Dissertation (incl. defense)</b>          | 160,5 ECTS                                   |
| <b>Total</b>                                 | 180 ECTS                                     |



# “New” vs “old” doctoral program

- Some rules differ between versions of the doctoral studies, know your system to successfully navigate the studies.
- **“old” doctoral program**
  - if you enrolled before 30.09.2021
    - default: unstructured doctorate
    - opt-in: structured doctorate  
*(only opt in if you know what you are doing!)*
- **“new” doctoral program**
  - enrolment after 1.10.2021 or
  - optionally also for students who enrolled earlier but decide to switch the program *(only switch if you know what you are doing!)*



# Dissertation subject

- Main subject of your PhD study
- Related to, but not necessarily identical to your Master degree
- **Choose during enrolment from:**
  - Artificial Intelligence
  - Biological Chemistry
  - Biophysics
  - Chemistry
  - Computer Science
  - Electronics and Information Engineering
  - Polymer Science
  - Mathematics
  - Mechatronics
  - Nanoscience and -Technology
  - Physics
  - Didactics of Computer Science/Mathematics/Natural Science
  - Molecular Biology



# Admission

- Find a supervisor
- Get admitted
  - Depending on the location of your Master degree: apply anytime or during the admission period
  - For English-speakers: Confirmation Email from your supervisor to the Admissions Office that you can do the PhD fully in English
  - Does your admission take unusually long?  
Ask your supervisor to inquire at the Admissions Office!





# Supervisor

- Primary Supervisor (always needed)
- Secondary Supervisor
  - Old curriculum: only possible for structured PhD programs (rare)
  - New curriculum: mandatory for everyone
- How to choose your supervisor
  - Primary supervisor for employees = typically, the professor of the department
  - Primary supervisor for non-employees: choose based on technical expertise, but also based on good personal relations
  - Secondary supervisor: less important, may be a professor from the same department



# Coursework: Getting ECTS for publications

- Typically, you need to submit papers to conferences and present there as part of your PhD journey
- Publishing parts of your PhD thesis in peer-reviewed journals and conferences is recommended
- You can get up to 3 presentations or publications accepted as coursework (for either electives or free electives), each for 1.5 ECTS
- Separate request to the examination office is required



# Coursework: Gender Studies

- “Gender Studies Doktorat TNF” 1.5 ECTS
- Course by Esther Ruiz Ben
- Content: Presentation of a paper / book chapter
- Upon request (**form**): Also other courses can be accepted!  
(e.g., from your second Master program)



# Coursework: Dissertationskolloquium

- Course with 1.5 ECTS for your main subject, register in KUSSS
- Latest in your third semester (i.e., after 1-1.5 years)
- Public examination with 2 examiners, presentation + questions, details depend on the major subject
- For some dissertation subjects (not computer science, mathematics,...): only required if your research project was not evaluated by external reviewers (e.g., FWF, EU, FFG, ...)  
→ compensate the missing 1.5 ECTS with electives



# Form #1: Announcement of the Supervisors

- New doctoral program only!
- Form to announce the supervisors  
<https://www.jku.at/studium/studierende/abschlussarbeiten/dissertation/>
- Names, positions, and signatures of the supervisors
- Authorization to supervise is based on JKU Satzung Article 37  
[https://www.jku.at/fileadmin/gruppen/61/Satzung\\_Co/Satzung/Studienrecht/2105\\_Satzungsteil\\_Studienrecht\\_V26\\_2022\\_05\\_18.pdf](https://www.jku.at/fileadmin/gruppen/61/Satzung_Co/Satzung/Studienrecht/2105_Satzungsteil_Studienrecht_V26_2022_05_18.pdf) (German only)



## Form #2: Meldung der Dissertation (Thesis Registration)

- Fill in the form and collect the signature from your supervisor  
[https://www.jku.at/studium/studierende/abschlussarbeiten/dissertation/Forms/Meldung der Dissertation](https://www.jku.at/studium/studierende/abschlussarbeiten/dissertation/Forms/Meldung%20der%20Dissertation)
- (Preliminary) title and supervisor, personal data of the student
- Submit together with the Dissertationsvereinbarung / Dissertation Agreement



## Form #3: Dissertationsvereinbarung (Dissertation Agreement)

- Agree on content with your supervisor
- Keep it sufficiently general, this is a legal basis for the relationship between your supervisor and you
- Submit in the semester of your Dissertationskolloquium (after the exam)
- For new doctorate: latest at the end of the third semester
- Has to be accepted by the rectorate  
if you receive no information = acceptance

For “old doctorate”: <https://www.iku.at/studium/studierende/abschlussarbeiten/dissertation/> Formulare / Dissertationsvereinbarung

For “new doctorate”: <https://www.iku.at/studium/studierende/abschlussarbeiten/dissertation/> Formulare für neues Doktorat



## Form #3: Dissertationsvereinbarung (Dissertation Agreement)

- Mandatory elements are defined in the JKU “Satzung” (= organisation law) Satzungssteil Studienrecht, § 37 a  
<https://www.jku.at/rechtsabteilung/mtb-satzung-co/>
  - Student’s personal data
  - Advising team: names and position
  - (Preliminary) Title of the dissertation including the dissertation subject
  - Is a cumulative dissertation possible?
  - Is a foreign language allowed, and which one?
  - Rough timeline for completion, including milestones
  - How the supervision is done, what are the responsibilities of the advisors
  - Are financial resources required, and which ones?






## Form #4: Prüfungsraster (Overview of passed examinations)

- After completion of all courses: submit the “Prüfungsraster” to the examination office  
<https://www.jku.at/studium/studierende/abschluesse/doktoratsabschluss/>
- Separate forms for “old” and “new” doctoral program!
- If you did a Dissertationskolloquium, the course should also be used as one of your mandatory courses (*may be negotiable*).
- **Prerequisite:** “Meldung der Dissertation”, can be submitted simultaneously



# PhD Thesis

- Monography (concise written document) or Cumulative (collection of papers with an introduction) - supervisor may have preferences
- Cover sheet has to fulfil university regulations
- Submitted electronically
- Detailed requirements depend on the supervisor



## Form #5: Sperrantrag (Limited public availability)

- By default, the thesis is available online and in the library
- For securing the student's financial or legal interests (e.g., patents) this can be restricted
- Given approval of the supervisor, one can apply for five years of limited public availability
- Submit the dedicated form at the end of your PhD



# PhD Defense

- max. 2 hours



# Graduation with Distinction

- Austria offers the possibility to graduate “sub auspiciis praesidentis”
- Requires perfect grades in high school, Bachelor program, Master program, and PhD - completed in a reasonable timeframe
- Inform JKU about the possibility that you may graduate “sub auspiciis praesidentis” before the defense
- Apply for the procedure after the defense



# Scholarships

- Study grant/Förderungsstipendium JKU for expenses not covered by the JKU
- Study Abroad scholarships for going abroad during your PhD (from a few days to several months)
  - Auslandsstipendium der JKU
  - Land OÖ IPS scholarship
  - Erasmus+ (student)
  - Erasmus+ (JKU employee)
- ÖAW: DOC-scholarship, ...
- Overview on scholarships at JKU:  
<https://www.jku.at/en/degree-programs/students/scholarships/>



Questions?



Mahlzeit

Free beer and sausages provided by your  
StV Doktorat TN!

[tnf-doktorat@oeh.jku.at](mailto:tnf-doktorat@oeh.jku.at)