

Doctoral Program Technical Sciences Doctoral Program Natural Sciences

January 9, 2019

Students Council for Doctoral Programs TNF

StV Doktorat TN
Doktoratsstudium
Naturwissenschaften und Technik



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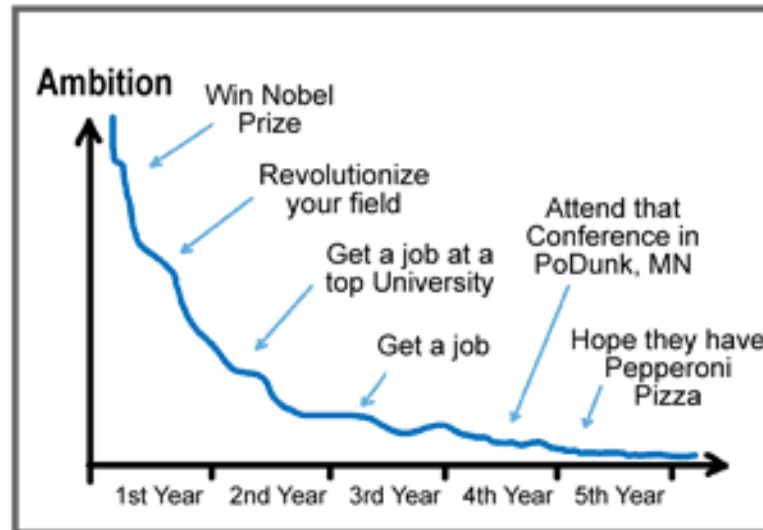
Students Council Doctoral Programs TNF (ÖH)



Roadmap to your PhD

- Be admitted / Find a supervisor
 - Lectures
 - Write thesis
 - Defend thesis
- regulated in **Curriculum**

YOUR LIFE AMBITION - What Happened??



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Legal Basis

- Curriculum 2015
 - Doktorat der Technischen Wissenschaften:
<https://www.jku.at/en/degree-programs/degree-programs/doctoratephd/doctorate-degree-in-technical-sciences/>
 - Doktorat der Naturwissenschaften:
<https://www.jku.at/en/degree-programs/degree-programs/doctoratephd/doctorate-degree-in-natural-sciences/>

The Curriculum at a Glance

	<u>Curriculum 2015</u>
Admission	Dissertation Colloquium
Lectures	9 ECTS “Dissertation Subject”
	10.5 ECTS “Complementary Lectures”: including 1.5 ECTS Gender Studies
Final Exam	30-40min presentation
	Then: defense
	In total: max. 90 min
	Board: 1 chairman + 3 examiners

Doctoral program

Standard period of study: 3 years

PhD thesis	140.5 ECTS
Dissertation subject	
• Lectures	9.0 ECTS
• PhD thesis defense	20.0 ECTS
Complementary subjects	10.5 ECTS
Σ	180 ECTS

Dissertation Subjects

- The main subject area of your dissertation
- Replace the five „subject areas“ from the old Curriculum
- There are several possible dissertation subjects at the JKU:

Bioinformatics	Biological Chemistry	Biophysics
Chemistry	Computer Science	Information Electronics
Mathematics	Mathematics Education	Mechatronics
Molecular Biology	Nanoscience and -technology	Physics
Polymer Science	Science Education	

- You pick your dissertation subject when you enroll, but you can switch afterwards

Admission: Entrance requirements

Requirements

- „Abschluss eines für ein Dissertationsfach in Frage kommenden technischen/naturwissenschaftlichen Studiums, das von der JKU anerkannt wird“
- „Lehramtstudium in naturwissenschaftlichem Unterrichtsfach“
- FH Diplom- oder Masterstudiengang (nach Maßgabe entsprechender Verordnung)
- In all other cases, it's up to the Vice-Rector for Study Affairs

Deadline for admission: admission is always possible

It is **highly recommended** to find a supervisor before admission.

Dissertation Colloquium

- Can be very different in some cases (e.g. Computer Science)
- Present a rough roadmap of your dissertation
 - Goals, Methods, Related work, Financing/Required resources ...
- A board of professors has to approve your plan in order for you to continue your dissertation
- If you don't have a supervisor yet, you will be assigned to one after passing the colloquium
 - Generally better to have a supervisor beforehand
 - Mainly a way to manage „unrealistic“ PhD plans / PhD candidates without supervisor
- Not compulsory for people who were admitted before WS 2015/16

Lectures (1)

Dissertation subject 9.0 ECTS

Dissertation colloquium + relevant lectures
picked/defined by your advisor with your input

Complementary subjects 10.5 ECTS

- 6 ECTS chosen by advisor with your input
- 3 ECTS chosen freely by you
- 1.5 ECTS Gender Studies

Lectures (2)

Credit transfer of talks & presentations:

possible up to 3 times à 1.5 ECTS

Recognition via Präses of your subject area

Lecture exchange:

Request for permission from the vice rector of academic affairs necessary

Gender Studies

„Gender Studies Doktorat TNF“
(D. Weichselbaumer):

- 1.5 ECTS
- 4-5 lectures
- Present paper
- No exam

PhD thesis - work

- Work about a scientific topic of your dissertation subject
- Parts of the thesis can be published previously
- Main part of a PhD study

PhD thesis - grading

- 2 referees: 1st: supervisor, 2nd: is elected by the Präses following the suggestion of the supervisor, agreement of the student necessary
- Possible change in the near future: supervisor not allowed to referee your thesis

Meldung der Dissertation „Dissertation Registration Form“

- Can be found here:
<https://www.jku.at/en/studying/studies-from-a-z/thesis/dissertations/>
- Has to be completed AFTER the Colloquium
- Contains:
 - Topic of the thesis
 - Name(s) of the advisor(s)

Dissertationsvereinbarung

- Can be found here (same page as dissertation registration form):
<https://www.jku.at/en/studying/studies-from-a-z/thesis/dissertations/>
- Has to be completed after the Colloquium
 - In the new program (2018) it CAN be completed BEFORE the colloquium
- Contains:
 - Topic of the thesis
 - Name(s) of the advisor(s)
 - Time plan and milestones
 - Financing/Required resources
 - List of courses – **This will be removed from the form in the near future!**

Structured PhD

- Following points become mandatory (depending on when you started, they might already be mandatory!):
 - [Dissertationskolloquium \(including an Exposé\)](#)
 - [Dissertationsvereinbarung](#)
- You need a second supervisor (this might become mandatory, if you started after October 2017)
- Your two supervisors cannot grade your thesis

PhD thesis - deadlines

- **After the colloquium:** submit „Meldung der Dissertation“ and „Dissertationsvereinbarung“ (see previous slides)
- **At least 4 weeks before submitting your thesis:**
 - Announce second referee of thesis
 - 1 page abstract
 - If second referee is not from JKU, additional form required!
Second referee must be approved by Vice rector for Teaching
- **4 weeks before Defense:**
 - **submit Thesis** (electronically & 4 times bound)
 - in addition: upload thesis to Austrian database of doctorate dissertations; you receive print-out, must be submitted with thesis
 - Doctoral classes form ([Technical Sc.](#) / [Natural Sc.](#) - only available in German!)
 - Registration of oral defense ([link](#) - only available in German!)
 - Link for all of these forms:
<https://www.jku.at/en/studying/studies-from-a-z/degree-completion/completion-of-a-doctorate-degree/>
- **10 days before defense:** announcement of date of defense

PhDefense

- **Presentation** (35-40 minutes) + **Defense** of your thesis
- Maximal **1.5 hours**
- Examination committee: **1 Chairmen + 3 Examiners**
 - **Chairman**: usually/often Präses
 - 1st examiner: usually your **advisor**
 - 2nd examiner: usually your **second referee** (but not necessarily)
 - 3rd examiner: **someone else** (e.g. another habilitated person from your institute)

4 people have to be from 3 different organisational units (i.e. JKU institutes)
- Possible change in the near future: supervisor not allowed to referee your thesis

Scholarships

Study grant/Förderungsstipendium der JKU

Foreign Study Scholarships/Auslandsstipendien:

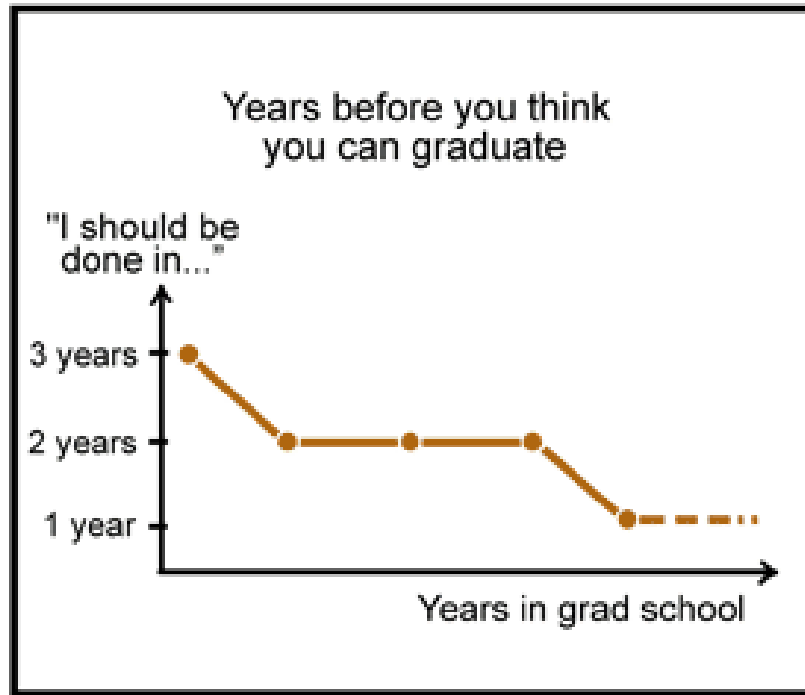
- > Auslandstipendium der JKU
- > Land OÖ IPS scholarship
- > Marshallplan-Stipendium

ÖAW: DOC-scholarship, ...

Overview on scholarships at JKU:

<https://www.jku.at/en/studying/studies-from-a-z/scholarships/>

Students council (ÖH)



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WWW.PHDCOMICS.COM

Contact:

- <http://www.oeh.jku.at/gruppe/doktorat-tn>
- www.facebook.com/phd.tnf.jku
- Email: tnf-doktorat@oeh.jku.at

Additional Remarks

Curriculum 2015



JOHANNES KEPLER
UNIVERSITÄT LINZ | JKU

Muster Stuko 3

ABSCHLUSSZEUGNIS

Doktoratsstudium der Technischen Wissenschaften

Kennzeichnung des Studiums			Matrikelnummer	
K	796	700	xxx	xxxxxxx

Vorname(n), Familienname	Geburtsdatum
Michaela Mustermann	99.9.9999

Prüfungsfach	PrüferIn	ECTS Punkte	Datum	Beurteilung
Komplementäre Lehrveranstaltungen <i>Mehrere Prüfer</i>		10.50	15.01.2011	gut
Dissertationsfach (inkl. Präsentation und Verteidigung der Dissertation) <i>Mehrere Prüfer</i>		29.00	15.01.2011	sehr gut
Rigorosum			15.01.2011	mit Auszeichnung bestanden

Dissertation	BetreuerIn	ECTS Punkte	Datum	Beurteilung
Mustertext	<i>Mössenböck, Blaschek</i>	140.50	20.12.2010	sehr gut

Doktoratsstudium abgeschlossen am:	AusstellerIn	F.d.R. d.A.
15.01.2011	Univ.-Prof. Dr.Dr. H. Kalb	(Johanna Hofmann) LeiterIn Prüfungs- und Anerkennungs-service

Additional Remarks

Finishing your PhD with *distinction*

Austrian [University Law \(UG2002\), §73\(3\)](#):

„Bei studienabschließenden Prüfungen, die mehr als ein Fach umfassen, ist zusätzlich zu den Beurteilungen für die einzelnen Fächer eine Gesamtbeurteilung zu vergeben. Diese hat „bestanden“ zu lauten, wenn jedes Fach positiv beurteilt wurde, anderenfalls hat sie „nicht bestanden“ zu lauten. Die Gesamtbeurteilung hat „mit Auszeichnung bestanden“ zu lauten, wenn in keinem Fach eine schlechtere Beurteilung als „gut“ und in mindestens der Hälfte der Fächer die Beurteilung „sehr gut“ erteilt wurde. ...“

- You can only get a distinction on your rigorosum
- Rigorosum consists of 2 grades:
 - Dissertation subject (Curriculum2015: 20ECTS for final presentation + defense, 9 ECTS for lectures from dissertation subject)
 - Complementary Lectures (1.5 ECTS Gender Studies + 9 ECTS for lectures)
- One „sehr gut“ and one „gut“ already gives you a distinction (no matter where you have the „sehr gut“)!

Additional information from the JKU Examination and Recognition Services:

If there is a chance that you might finish your PhD [sub auspiciis praesidentis rei publicae](#), please tell them when you hand in your forms (i.e. **before** your final dissertation defense). Otherwise they will issue you a „regular“ decree and cannot do the sub auspiciis procedure any more!

Questions?



Mahlzeit!

