



Doctoral Program Technical  
Sciences

Doctoral Program Natural Sciences

December 19, 2017

Students Council for Doctoral Programs TNF

StV Doktorat TN  
Doktoratsstudium  
Naturwissenschaften und Technik



[www.oeh.jku.at](http://www.oeh.jku.at)  
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# Students Council Doctoral Programs TNF (ÖH)

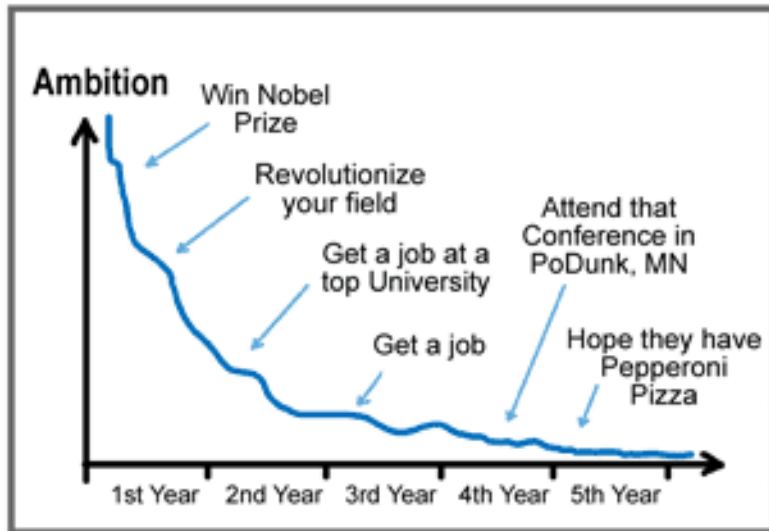




# Roadmap to your PhD

- 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:  
<http://www.jku.at/content/e262/e242/e2380/e2013/e2006>
- Doktorat der Naturwissenschaften  
<http://www.jku.at/content/e262/e242/e2380/e1854/e1847>

# The Curriculum at a Glance

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

# 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 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

# Dissertation Colloquium

- Present a rough roadmap of your dissertation
  - Goals
  - Methods
  - 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



# 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
- = 180 ECTS

# Lectures (1)

**Dissertation subject** 9.0 ECTS

Dissertation colloquium +relevant lectures  
picked/defined by your advisor

• **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: 1<sup>st</sup>: supervisor, 2<sup>nd</sup>: 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

# PhD thesis - deadlines

- **Begin of study:** submit „Dissertation Registration Form“ (with working title of thesis, title can be changed later)
- **At least 4 weeks before submitting your thesis:**
  - Announce second referee of thesis
  - 1 page abstract
  - NEW: 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 (OLD/NEW)
  - > Registration of oral defense (OLD/NEW)
- **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:

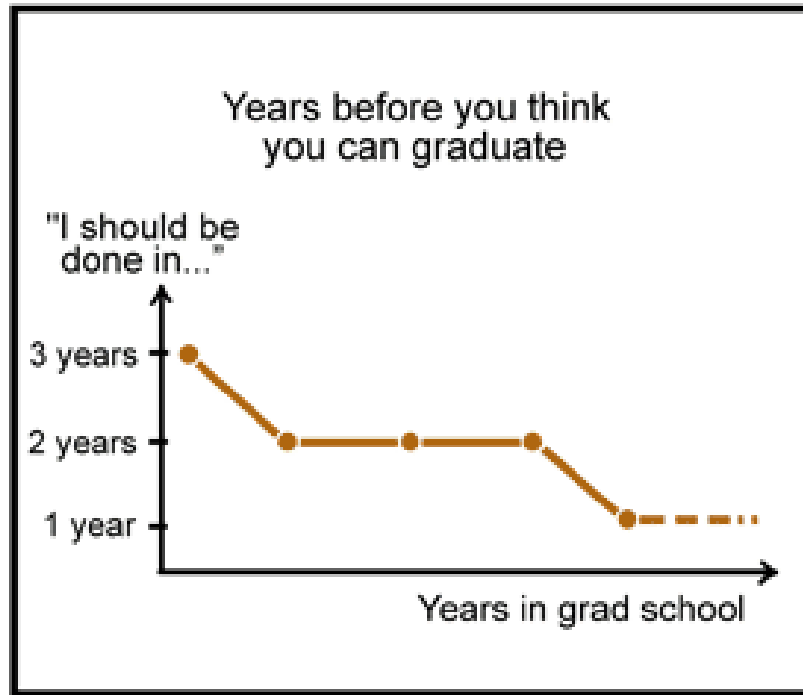
- > Auslandstipendium der JKU
- > Land OÖ IPS scholarship
- > Marshallplan-Stipendium

ÖAW: DOC-scholarship, ...

Overview on scholarships at JKU:

<http://www.jku.at/content/e263/e16219/e16202/e203119>

# 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](http://www.facebook.com/phd.tnf.jku)
- Email: [tnf-doktorat@oeh.jku.at](mailto: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 <b>Mustermann</b>	99.9.9999

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

Dissertation	BetreuerIn	ECTS Punkte	Datum	Beurteilung
Mustertext	<small>Mössenböck, Blaschek</small>	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) <small>LeiterIn Prüfungs- und Anerkennungs-service</small>

# 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!

