

Doctoral Program Technical
Sciences

Doctoral Program Natural Sciences

November 4, 2015

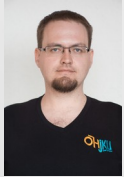
Students Council for Doctoral Programs TNF

StV Doktorat TN
Doktoratsstudium
Naturwissenschaften und Technik



www.oeh.jku.at
tnf-doktorat@oeh.jku.at

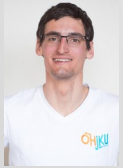
Students Council Doctoral Programs TNF (ÖH)



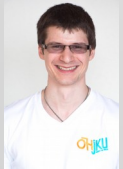
Markus Jäger



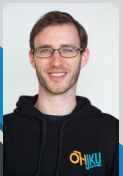
Andrea Eder



Roland Wagner



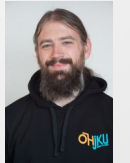
Stefan Trautner



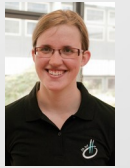
Thomas Unterthiner



Peter Gangl



Gerhard Holzinger



Johanna Novacek



Gundula Povysil

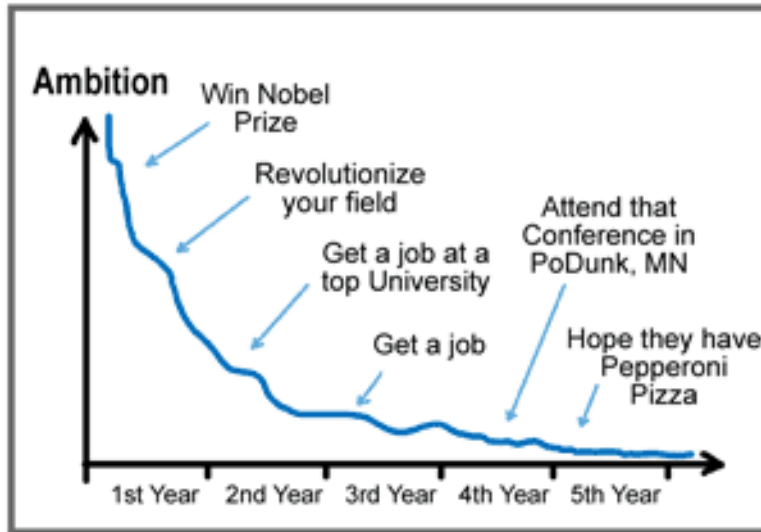


You?

Roadmap to your PhD

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

YOUR LIFE AMBITION - What Happened??



JORGE CHAM © 2008

Legal Basis

- **Curriculum 2001**

2006: Amendment to the Universities Act:

PhD Studies should take at least 3 years

If you have enrolled in this curriculum, you have the chance to finish according to it until Nov. 30, 2017

- **Curriculum 2009**

several changes made up until 2013

If you have enrolled in this curriculum, you have the chance to finish according to it until April 30, 2017

- **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>

Main Changes at a glance

	<u>Curriculum 2009</u>	<u>Curriculum 2015</u>
Admission	-	Dissertation Colloquium
Lectures	9 ECTS Main Subject	9 ECTS "Dissertation Subject"
	9 ECTS Minor Subject	10.5 ECTS "Complementary Lectures": including 1.5 ECTS Gender Studies
	1.5 ECTS Gender Studies	
Final Exam	20min presentation	30-40min presentation
	20min defense	Then: defense
	20min exam	In total: max. 90 min
	Board: 1 chairman + 2 examiners	Board: 1 chairman + 3 examiners

Curriculum 2015

- No more „Nebenfach“
- Dissertation Colloquium
- PhD Defense is only about your thesis

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

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: 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

PhD thesis - deadlines

- **Begin of study:** submit your dissertation topic
- **5-6 weeks before defense:** 1 page abstract for election of second referee
- **4 weeks before defense:**
 - > UStat2-Form
 - > Thesis (electronically & 4 times bound)
 - > Doctoral classes form
 - > Print-out registration form from Austrian database of doctorate dissertations
 - > Registration of oral defense
- **10 days before defense:** announcement of date of defense

PhD Defense

- Presentation + Defense of your thesis
- Maximal 1.5 hours
- Examination committee: 1 Chairmen + 3 Examiners
 - Your advisor usually part of the committee
 - Have to be part of 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:

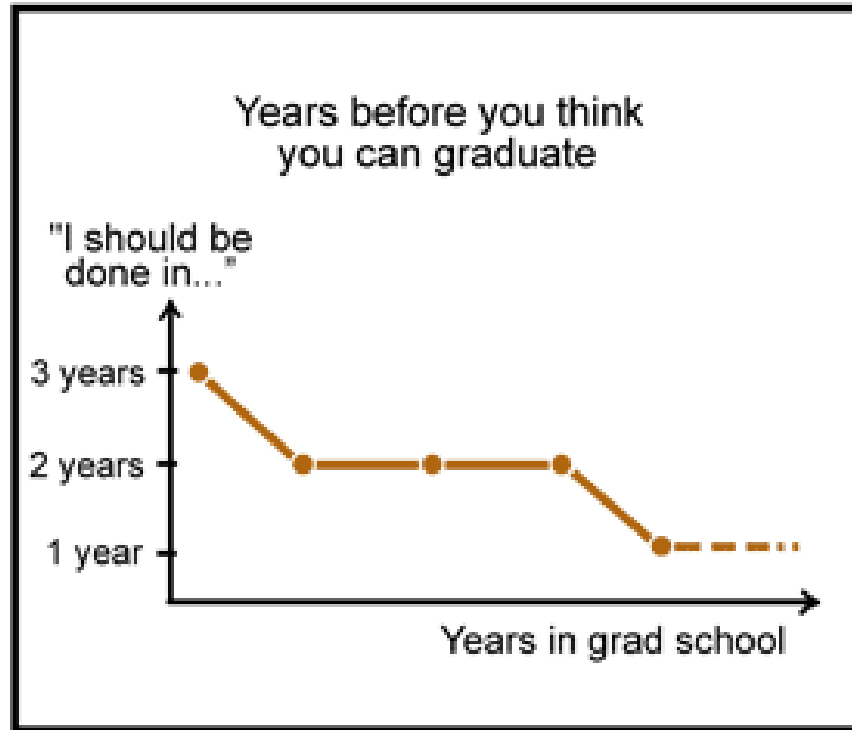
- > Auslandstipendium der JKU
- > Land OÖ IPS scholarship
- > Marshallplan-Stipendium

ÖAW: DOC-scholarship, ...

Overview on scholarships at JKU:

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

Students council (ÖH)



JORGE CHAM © 2008

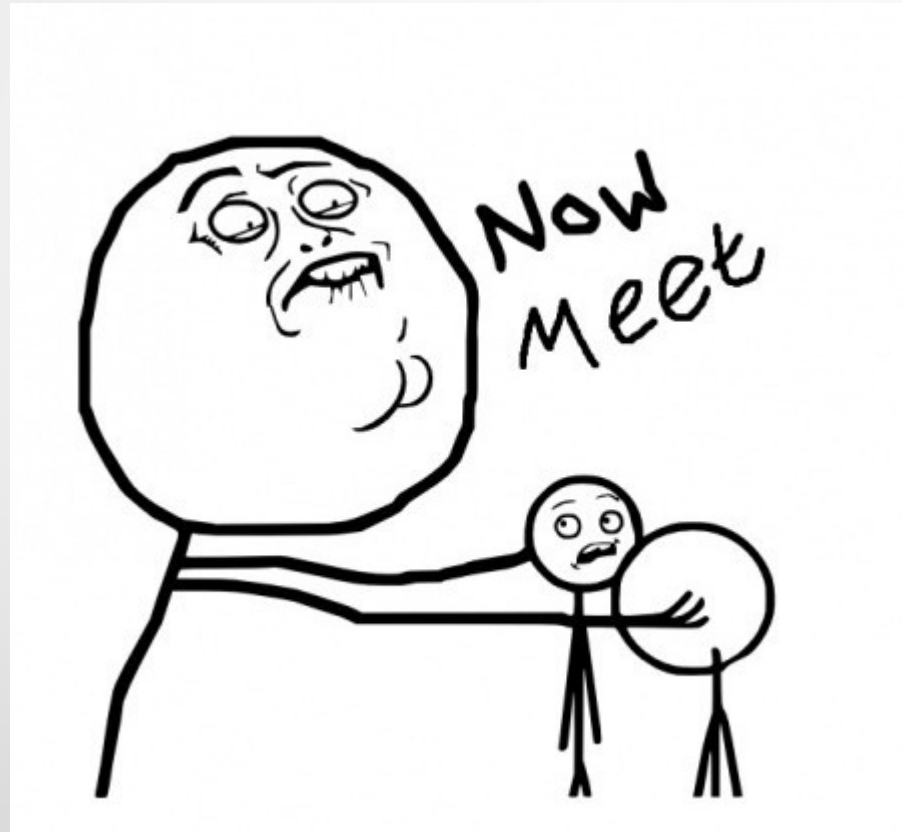
WWW.PHDCOMICS.COM

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

Questions?



Mahlzeit!



Additional Remarks

(not part of the presentation on Nov. 4, 2015)

„Switching“ the curriculum:

Actually, everybody got switched to the new curriculum (2015W) automatically. However, you still have the possibility to finish your studies according to the examination rules of the old curriculum (curriculum 2009, version from 2013) until April 30, 2017 [or of the very old curriculum (curriculum 2001, version from 2006) until November 30, 2017].

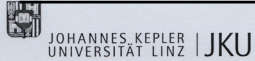
The decision on this issue is taken by you by using the corresponding forms (registration form [old/new](#) and lectures form old/new from the [JKU website](#)) when you register for your dissertation defense.

Thanks for the remark from the audience clarifying this issue!

Additional Remarks

(not part of the presentation on Nov. 4, 2015)

Curriculum 2009 (version 2013)



ABSCHLUSSZEUGNIS

Doktoratsstudium der technischen Wissenschaften

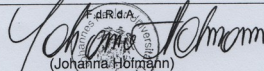
Kennzeichnung des Studiums			Matrikelnummer
K	786	800	████████

Vorname(n), Familienname ████████████████████	Geburtsdatum ████████
--	--------------------------

Prüfungsfach	PrüferIn	ECTS Punkte	Datum	Beurteilung
Verteidigung der Dissertation Name1, Name2, Name3		10.25	████████	sehr gut
Organische Chemie Name1, Name2, Name3		10.25	████████	sehr gut
Rigorosum		----	████████	mit Auszeichnung bestanden

Dissertation	BetreuerIn	ECTS Punkte	Datum	Beurteilung
Title ████████████████████ Name1, Name2		140.00	████████	sehr gut

Prüfungsfach	PrüferIn	ECTS Punkte	Datum	Beurteilung
Studienfächer (Dissertationfach, Nebenfach, Gender Studies) Mehrere Prüfer		19.50	████████	sehr gut

Doktoratsstudium abgeschlossen am: ████████	AusstellerIn  (Johanna Hofmann) Leiterin Prüfungs- und Anerkennungs-service
	Univ.-Prof.Dr. Dr. H. Kalb



Muster Stuko 3

ABSCHLUSSZEUGNIS

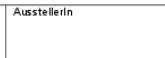
Doktoratsstudium der Technischen Wissenschaften

Kennzeichnung des Studiums			Matrikelnummer
K	796	700	xxx xxxxxx

Vorname(n), Familienname Michaela Mustermann	Geburtsdatum 99.9.9999
--	---------------------------

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

Dissertation	BetreuerIn	ECTS Punkte	Datum	Beurteilung
Mustertext Mössenböck, Blaschek		140.50	20.12.2010	sehr gut

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

Additional Remarks

(not part of the presentation on Nov. 4, 2015)

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!