



German Research School  
for Simulation Sciences

# Master's Thesis Simulation Sciences



Vera Kleber  
Aachen, February 5, 2013

# Master's Thesis

Goal of a Master's thesis:

Demonstrate that you are able to

- work on a project independently and successfully
- within a given time period (6 months)

The Master's thesis comprises

- a written report (thesis)
- and a colloquium



## Master's Thesis

Some rules:

- CP for registration: minimum 75 CP  
of thesis standard 90 CP
- Time frame: minimum 3 months  
maximum 6 months (primary goal)
- Language: English
- Length: about 80 pages (without attachments)
- Template: being developed  
contact: Marc-André Hermanns,  
[m.a.hermanns@grs-sim.de](mailto:m.a.hermanns@grs-sim.de)

## Master's Thesis

Some rules:

- Potential providers of a Master's thesis:
  - a) RWTH professors of faculties 1, 4, 5, 6, 10
  - b) FZJ professors
  - c) externals (requires approval by examination board and co-supervision of a) or b))
- Potential providers of a Master's thesis (co-supervisors) are usually also examiners.

# Master's Thesis

## Registration procedure:

- Get registration form  
(GRS student office – Elisabeth)
- Fill form
- Get signature from
  - examiner and
  - supervisor
- Submit form to GRS student office

ZENTRALES PRÜFUNGSAMT DER  
RHEINISCH-WESTFÄLISCHEN  
TECHNISCHEN HOCHSCHULE

FAKULTÄT  
FÜR MASCHINENWESSEN  
www.maschinenbau.rwth-aachen.de

**Erfassungsbogen Masterarbeit Simulation Sciences**

Name  Vorname

Straße Nr.  PLZ Stadt

E-Mail  Telefon

Matrikel-Nr.  Berufsfeld

Bitte lassen Sie diesen Erfassungsbogen in der Reihenfolge der unterlegten Nummern unterschreiben

Zulassung zur Masterarbeit (wird vom ZPA ausgefüllt)

Aufgrund der bisher erbrachten Studien- und Prüfungsleistungen kann der oben genannte Studierende zur Masterarbeit zugelassen werden.

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Aachen, den  Ort und Datum  Unterschrift und Stempel

**Thema der Masterarbeit**  
in deutscher Sprache

in englischer Sprache

Erfassungsbogen Masterarbeit Simulation Sciences Seite 1 von 4

## Master's Thesis

Earliest date for submitting the thesis:  
Examiner's signature date plus 3 months

Latest date for submitting the thesis:  
Examiner's signature date plus 6 months

Submission procedure:

- Bring 2 copies of thesis to ZPA (Ms Kuck)
- Get thesis submission registered
- Bring registration form to examiner (examiner and supervisor fill grade and send form back to ZPA)

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Seite 1 von 4

## Master's colloquium

Goal of the Master's colloquium:

Demonstrate that you are able to

- Discuss your thesis subject with examiners and audience
- Answer questions about the subject
- Defend your approach to the subject

The Master's colloquium comprises

- |                                  |                          |
|----------------------------------|--------------------------|
| • a talk about your thesis       | about 30 min (30-90 min) |
| • and the defense of your thesis | about 15 min (15-45 min) |

Please let us know the details of your colloquium (date, title) in order to announce it!

## Recommendations & GRS Rules

- Start soon to search for a Master's thesis
- If you found a thesis, don't wait too long with the registration. A Master's thesis needs to be designed such that you are able to finish in 6 months.
- Let us (Elisabeth) know if you would like to have a study plan discussion this semester.
- In any case – send an email to your scientific supervisor, Elisabeth and me with your Master's thesis plans until latest

**April 30, 2013**

specifying the supervisor, the tentative title, the registration date.



## Where to find more information

Webpage [www.grs-sim.de](http://www.grs-sim.de)

- Academic programs  $\Rightarrow$  Master  $\Rightarrow$  Course information
- Module handbook

Internal webpage [www.grs-sim.de/students](http://www.grs-sim.de/students)

- collection of information and documents
- early phase: comments / wishes welcome

Campus <http://www.campus.rwth-aachen.de/rwth/all/groups.asp>

- course catalogue RWTH
- campusOffice (individual login, organizer)

Personal contact (lecturers, advisors, ...)

## Final grade

- Final grade =  $\frac{\sum(CP_i * grade_i)}{\sum CP_i}$
- Worst weighted grade will be ignored in final grade if all modules have been taken in regular time\* (grade of Master's thesis cannot be ignored)
- With distinction if
  - grade of Master's thesis = 1.0
  - weighted average of other exams  $\leq 1.3$

\* 4 semesters, including Master's thesis