

## What to say to students at the beginning of their thesis?

### Duration of the thesis

- 3 month for bachelor
- 6 month for diploma master thesis

### Goal of the thesis

- Scientific working under supervision

### Accounts and software needed

- Redmine (<https://dev.kom.e-technik.tu-darmstadt.de/redmine/account/register>)
- Mendeley (<http://www.mendeley.com/>)
- KOM User Account (done by tutor)
- Latex + TUD Template  
<http://www.ps.tu-darmstadt.de/teaching/theses/templates/>  
(<http://www.kom.tu-darmstadt.de/en/teaching/theses/templates/>)

### Things to be done during the thesis

- Attend to one talk for each month of the official duration of the thesis
- Meeting with Jan Hansen
- Meeting with Prof. Hausheer (/ Prof. Steinmetz)
- Intermediate presentation in case of duration greater 4 month  
(for CS students Prof. Steinmetz attends this presentation)
- Final presentation at the end of the thesis
- Registration of the thesis at corresponding registration office
- Find suitable name for thesis
- write thesis

### Things to be delivered at the end of the thesis

- written and bounded thesis  
(~50 pages for bachelor, ~90 pages for diploma / master thesis)
  - Computer Science: 2x Computer Science, 0x E-Technik (neu: Jab 2013), 2x KOM = 4
  - E-Technik: 0x E-Technik (neu: Jab 2013), 2x KOM = 2
- Source code on CD
- Presentation slides

## Evaluation of the thesis

- Arbeitsstil (15%)
  - Selbstständigkeit
  - Verständnis
  - Kreativität
  - Fleiß
  - Fähigkeit zur Zusammenarbeit
  - Systematik und Sorgfalt der Durchführung
- Ergebnisse (30%)
  - Arbeitsgeschwindigkeit
  - Qualität
  - Nutzbarkeit
  - Innovationsgrad
  - Zielvorgabe erfüllt
- Ausarbeitung (30%)
  - Gliederung / Aufbau
  - Äußere Form
  - Sprachliche Kompetenz
  - Wissenschaftliche Vorgehensweise
  - Korrektheit der Ergebnisse
  - Abgeschlossenheit der Arbeit
- Abschlussvortrag (25%)
  - Inhalt
  - Vortragsstil
  - Qualität der Folien
  - Vorführung
  - Diskussion
  - Zwischenvortrag

### Time plan for thesis

Work	Bachelor-Thesis	Master / Diploma Thesis
Related work + summary	0.5 months	1 month
Implementation	1 month	2 months
Evaluation	0.5 months	1 month
Writing thesis	1 month	2 month
<b>Total:</b>	<b>3 months</b>	<b>6 months</b>

### Typical Tasks

- Get familiar with already available software
- Read related work
- Create accounts in Mendeley and Redmine
- Agree on weekly meeting

### Weekly Meetings

A day before the weekly meeting the student should write an e-mail with the following:

1. Current status of his work - what was expected/agreed on the previous meeting and what is done
2. Questions/problems/challenges that arise during the previous week and how they are solved (in form of Q+A)
3. Still open questions (for discussion on the meeting next day)
4. Agenda of the meeting (agreed on the previous meeting)