

# External semester, diploma and master thesis

## Guideline for external supervisors

Semester, diploma, and master thesis may be conducted externally from students as long as a ETH professor serves as the patron. This guideline is supposed to be an overview of the requirements of the department of computer science in this field.

### Duties of a supervisor

#### 1. Before a student starts his thesis

- Write a detailed assignment (2-3 pages) and have it signed by Prof. David Basin covering the following points
  - Overview of the topic
  - Motivation of the thesis
  - Aim and predefined assignment
    - Various options for the second part of diploma and master thesis
  - Defined requirement of what has to be finally delivered by the student
- Have the form *Intellectual Property Rights* signed by the student and filed in Barbara Geiser's office.  
[http://www.infsec.ethz.ch/education/projects/Betreuung/Vereinbarung\\_Urheberrechte.pdf](http://www.infsec.ethz.ch/education/projects/Betreuung/Vereinbarung_Urheberrechte.pdf)
- Fill in the yellow marked spaces in the form *Agreement* and have it signed by the student and filed in Barbara Geiser's office (IFW C49.1)  
[http://www.infsec.ethz.ch/education/projects/Betreuung/Projektmitarbeiter\\_Regelung.doc](http://www.infsec.ethz.ch/education/projects/Betreuung/Projektmitarbeiter_Regelung.doc)
- Inform Cas Cremers ([cas.cremers@inf.ethz.ch](mailto:cas.cremers@inf.ethz.ch)) about name and email address of the student along with the title, which kind of thesis and duration of thesis.

#### 2. During the student works on his thesis

Important: The students *must not* be paid for their work (see ETH guideline

[http://www.infsec.ethz.ch/education/projects/Betreuung/Weisung\\_Bezahlung.pdf](http://www.infsec.ethz.ch/education/projects/Betreuung/Weisung_Bezahlung.pdf)

However, this should not lead to a malpractice of unpaid work. On the opposite, the supervisor is required to invest enough time in mentoring the student as an equivalent.

- The definition of the thesis is to be delivered to the student in duplicate. One copy must be signed by the student and forwarded to the administration office (Denise Spicher, RZ F19) within one week.
- Supervision: it is recommended to meet with the student on a weekly basis where problems can be dealt with and further procedure can be defined.

- Schedule: The student is required to hand in a schedule by the end of the first week. The progress of the development is to be looked at regularly.
- Thesis: encourage the student to start early enough writing down the thesis in order to proofread it several times.
- Trial talk: The student is required to give a trial talk one week before the ultimate target time to receive detailed feedback on it.

### 3. After the student has handed in the thesis

- Be present at the talk
- Send an assessment in written form with a proposal for a grade to Prof. David Basin. The assessment is to be written according to the guideline of Deininger et.al. *Studien-Arbeiten*. A copy of this book can be borrowed from the office of Barbara Geiser (IFW C49.1). A template for the assessment is available at <http://www.infsec.ethz.ch/education/projects/Betreuung/Bewertung-Vorlage.tex>

### Duties of a student

The following duties have to be carried out toward the Chair of Information Security. The student is to be informed about these duties by his supervisor.

- Title and abstract of the talk have to be sent to Cas Cremers ([cas.cremers@inf.ethz.ch](mailto:cas.cremers@inf.ethz.ch)) one week before the talk is being held.
- The student is given 20 minutes time for the talk (including questions) for a semester thesis and 30 minutes time (plus questions) for a diploma and master thesis.
- Three (3) copies of the thesis incl. CD-ROMs must be submitted to Barbara Geiser (IFW C49.1).
- It is recommended to file the thesis with the ETH library as ETH Zurich, supports and promotes open access publishing. To do so, a written consent must be available. This form (PDF file, German only) must also be signed by the responsible ETH professor and/or the head of the research department in order to warrant the necessary quality of the thesis to be published. Furthermore, the author declares that no third party rights are harmed and/or possible secrecy requirements are protected. For download and further information visit [http://e-collection.ethbib.ethz.ch/about.php?subnav=about\\_4](http://e-collection.ethbib.ethz.ch/about.php?subnav=about_4)

### Important dates

- Talk: there are four (4) time windows in every calendar year for students' presentations.

- Thesis: The report in written form must be handed in by Thursday of the third (3<sup>rd</sup>) last week during the semester break.

Due dates can be obtained from Cas Cremers (IFW C43.2).