

Freie Universität Berlin - Department of Mathematics and Computer Science

**Registration of Bachelor's Thesis**

(Computer Science Bachelor's Degree Program, **Study Regulations / Examination Regulations July 16th 2014 – 086c**)

Only forms that are legible and filled out in their entirety will be processed.

Surname: \_\_\_\_\_ First Name: \_\_\_\_\_

Enrollment No.: \_\_\_\_\_ Email: \_\_\_\_\_  
Please enter Computing Services (ZEDAT) account

I hereby register my Bachelor's thesis on today's date. I have taken note of the extract overleaf of the study and examination regulations as they apply to me in respect of my thesis.

The topic of my thesis is:

\_\_\_\_\_  
 \_\_\_\_\_

Suggested supervisor for Bachelor's thesis: \_\_\_\_\_

I hereby declare that I have not provided academic records for the same degree program, for the same subject, or for a module which is comparable to one of the modules studied in the Bachelor's degree program in Computer Science, or that I have failed to pass examinations, or that I have outstanding examinations at another institution of higher education.

I agree that Freie Universität Berlin shall have a permanent, non-exclusive usage right for my thesis and the accompanying artifacts.

My thesis must be treated confidentially. I must be accessed only by the people involved in the examination process. I will put a remark to this effect on an extra page at the beginning of the thesis document.

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Student Signature**

I hereby declare that I am willing to supervise the aforementioned Bachelor's thesis.

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Supervisor Signature**

In accordance with § 10 paragraph 2, sentence 2 of the Study and Examination Regulations July 16th 2014, all evidence for course-related examination performance not deposited in Campus Management are attached to the registration. Modules totaling at least 90 credit points must be successfully completed, including the following modules: Algorithms, Data Structures and Data Abstraction (9 credit points); Fundamentals of Theoretical Computer Science (7 credit points); Logic and Discrete Mathematics (9 credit points); Linear Algebra (10 credit points) or Linear Algebra 1 (10 credit points); Computer Architecture, Operating Systems and Networks (10 credit points); as well as Scientific Work in Computer Science (5 credit points).

*Please submit the completed application form for further processing at:  
 Department of Mathematics and Computer Science  
 Examinations Office  
 Arnimallee 14  
 14195 Berlin*

*(completed by the examinations office)*

Date of submission: \_\_\_\_\_ Examinations Office: \_\_\_\_\_

Please note that this English version of the part of study and examination regulations is nothing more than an aid to orientation. Solely the German version is legally binding.

## Examination Regulations July 16th 2014 (Official Register 35/2014, 08/27/2014)

### § 10 Bachelor's Thesis

(1) The Bachelor's thesis should demonstrate that the student is in a position to work independently on a practically or theoretically designed task from a topic area in Computer Science using scientific methods, and to present the results in writing and orally in an appropriate manner.

(2) Students will be admitted to work on a Bachelor's thesis upon application if they can prove at the time of application that they

1. in the first instance have been enrolled at Freie Universität Berlin and

2. have successfully completed modules totaling at least 90 credit points, including the following modules:

– Module: Algorithms, Data Structures and Data Abstraction (9 credit points),

– Module: Fundamentals of Theoretical Computer Science (7 credit points),

– Module: Logic and Discrete Mathematics (9 credit points),

– Module: Linear Algebra (10 credit points), or Linear Algebra 1 (10 credit points),

– Module: Computer architecture, Operating Systems and Networks (10 credit points) and

– Module: Scientific Work in Computer Science (5 credit points).

(3) The application for admission of the Bachelor's thesis is to be accompanied by evidence of the prerequisites in accordance with paragraph 2, as well as confirmation from an authorized teacher that he or she is willing and able to act as supervisor for the Bachelor's thesis. The relevant examination committee will make a decision on the application. If a statement of acceptance for the supervision of the Bachelor's thesis is not submitted in accordance with sentence 1, the examining board will appoint a supervisor.

(4) The examining board, in consultation with the supervisor, assigns the topic of the Bachelor's thesis. The topic and task must be designed in such a way as to ensure the work can be completed before the deadline. The task and compliance to deadlines are to be documented.

(5) The work may also be carried out externally at a suitable company or at a scientific institution, provided that scientific supervision is guaranteed in accordance with paragraph 3.

(6) The written component of the Bachelor's thesis should be 7,500 words long, approximately 25 sides in length. The time to be spent on the Bachelor's thesis amounts to 12 weeks. It may be written in either German or English. If the examining board gives its approval, other language are also permissible. If a student has been prevented from working on the thesis for a period of more than four weeks for a valid reason, the examining board will decide whether the Bachelor's thesis must be begun afresh. Examination performance with regard to the Bachelor's thesis will be deemed not to have been undertaken in cases when the examining board has decided upon a further attempt.

(7) The date set for the start of work on the topic is determined by the examining board. The topic can be returned within the first four weeks, and in those cases it will not be considered as issued. Upon submission, the student must provide written confirmation that he or she has composed the Bachelor's thesis without assistance and has used no other sources or resources apart from those cited and acknowledged.

The written component of the Bachelor's thesis is to be submitted typewritten as three bound copies and as an electronic version in accordance with § 14.

(8) The written component of the Bachelor's thesis shall be evaluated in a written statement within four weeks by two examiners appointed by the examining board. The supervisor of the Bachelor's thesis should be one of the examiners. At least one of the two evaluations should be written by a professor who is employed at the Institute of Computer Science at the Department of Mathematics and Computer Science at Freie Universität Berlin.

(9) The written component of the Bachelor's thesis will be considered to have passed if the mark attained for the work is at least "sufficient" (4.0). The grade for the written component of the Bachelor's thesis is calculated as being the arithmetic mean of the two grades given by the two examiners. If one or more of the examiners evaluates the work as "non sufficient" (5.0) or if the two individual grades given by the examiners are 2.0 or more apart, the examining board will task a third examiner to evaluate the written component of the Bachelor's thesis. In this case, the grade for the written component of the Bachelor's thesis will be calculated as the arithmetic mean of the marks given by the three examiners.

(10) The results of the Bachelor's thesis are to be given as part of a presentation, scientifically classified (approx. 15 minutes) and defended (approx. 15 minutes). The prerequisite for giving a presentation is the submission of the Bachelor's thesis. The oral presentation is to take place as soon as possible after the Bachelor's thesis has been submitted. The date will be announced will be announced in a timely manner. The lecture and discussion are open to the faculty.

(11) The oral component of the Bachelor's thesis will be conducted by two appointed examiners. They should be identical to the examiners who evaluated the Bachelor's thesis. The grade for the oral component of the Bachelor's thesis is calculated as being the arithmetic

mean of the two individual grades.

(12) The grade for the oral component of the Bachelor's thesis will make up one sixth of the combined grade for the Bachelor's thesis, while the grade for the written component of the Bachelor's thesis will make up five sixths of the grade.

(13) The Bachelor's thesis will be considered to have passed if the combined grade attained for the Bachelor's thesis is at least "sufficient" (4.0).

(14) The examining board can, upon request, count as credit a successfully completed Bachelor's thesis from another institution of higher education or in another subject in cases when the qualification is equivalent. The application must be accompanied by a bound copy of the Bachelor's thesis and a copy in electronic format as well as proof that the Bachelor's thesis has been assessed and evaluated.