



## Information Sheet Bachelor Theses Chair of Mathematical Finance

**Prof. Dr. Rudi Zagst, Prof. Dr. Matthias Scherer, Prof. Dr. Aleksey Min**

**Application:** Students who are interested in a topic for their bachelor thesis are asked to send their application by e-mail to [sekm13@tum.de](mailto:sekm13@tum.de) in due time. Please attach the following information:

- Brief curriculum vitae
- Previous exam results
- Internship certificates
- Optional: Preference topic of your thesis

**Topic:** You can propose a topic for your thesis yourself. Topics that are carried through in cooperation with companies are particularly welcome. In case you have no special preferences, you will be assigned a topic.

**Requirements:** You have to fulfill the following requirements to be able to cope with the technical challenges to complete a bachelor thesis:

- Financial Mathematics (MA3407) 1 OR Insurance Mathematics 1 (MA3405)
- Passed Bachelor Seminar at M13

**Deadline:** Please hand in your bachelor thesis within three months after registration (possible on each 1st or 15th of a month).

**Format:** We highly recommend you to elaborate your thesis in Latex (or Scientific Word). Please observe the formal conditions for final thesis of the respective examination regulations.

**RiskFactory:** We offer you to write your whole thesis or parts of it in the RiskFactory, which is particularly useful when you do not dispose of a computer workstation at home or want to use special programming software, for instance. Please keep in mind that you need to apply for a computer account in the secretary and sign and observe the safety instructions.

**Appointments:** Please arrange appointments with your attending professors yourself with the secretary in due time. Don't forget to hand over a complete version of your bachelor thesis to your attending assistant professor not later than 3 weeks before your submission date.

## Key Steps:

- **Initial discussion:** Determination of topic. Allocation of introductory literature (mostly in English), discussion of approach. Allocation of attending assistant, who will be available to you for questions and suggestions for the entire preparation time of your thesis. Please keep your attending assistant informed of any appointments. Following this initial discussion you prepare a synopsis of the thesis to inform in detail of the prearranged techniques, contents, sources, and the like.
- **Intermediate discussion** (after 2-4 weeks): Presentation of the work performed so far or the synopsis respectively, joint final determination of set targets and structuring of your thesis.
- **Correction discussion:** Presentation of a version of your bachelor thesis that is as complete as possible not later than three weeks before your submission date.
- **Feedback discussion:** Information of desired corrections around two weeks before the submission date to be given time to incorporate the revisions.

## Documents to be surrendered at Servicepoint Mathematics:

- 2x Labeled and bound (printed both side) thesis
- Electronic version of your thesis in the original format as well as in a pdf format (2 CDs/ USB Sticks)
- Abstract in English and German, half a DIN A4 page at most for the homepage of the chair
- All programs that have been created during the preparation of the thesis
- Key articles and references the thesis is based on in a pdf format in electronic form

Servicepoint Mathematics will send one bound thesis and one CD/ USB Stick to the chair. When you have surrendered all necessary documents, your bachelor thesis is finished and graded subsequently.

## Additional information:

Technical literature of financial mathematics is probably available in the library of the Chair (please contact your attending assistant).

**Please fill in the form which you submit together with your registration  
to the secretary of Chair of Mathematical Finance.**

Family name: ..... First name:.....

- I have read the information sheet "Bachelor theses at Chair of Mathematical Finance"

Garching,

Signature:

- I agree with the forwarding of my bachelor thesis in a pdf format to third parties (other students, industrial partners, external parties).

Yes

No

Garching,

Signature: