

## Seminar Bachelor thesis – Materials Science

This document regulates the intended uniform procedure for the execution of the Seminar Bachelor thesis – Materials Science.

### **Aim of the seminar Bachelor Thesis - Materials Science**

Within the framework of the seminar Bachelor thesis – Materials Science, students are required to compose and present a written Bachelor thesis on a subject-specific topic under guidance. Prerequisite to start working on the Bachelor thesis is the successful completion of the first four semesters of the Bachelor program. The Bachelor's thesis is a non-scientific contribution, in which the student should demonstrate his/her capability to independently work on a subject related to the Materials Science study program. The thesis itself can be of an experimental or theoretical nature and should include an introduction to the state of the art in the respective field as well as own achievements.

### **Execution of work**

The bachelor thesis has to be prepared within the framework of the course "Seminar Bachelor thesis – Materials Science". Exclusively the respective lecturers of the seminar Bachelor thesis – Materials Science assign topics for Bachelor theses. For the seminar Bachelor thesis – Materials Science, 7.5 ECTS credits will be assigned. This corresponds to a workload of about 190 working hours. Included are the time required for familiarization with the topic, for carrying out the experimental or theoretical work, for data evaluation, and – up to 30 hours – for writing the Bachelor thesis. Postdocs and doctoral students can be included in the supervision; however, the respective seminar lecturer will grade the Bachelor thesis – Materials Science. The structure of the written thesis is to be discussed with the supervisor. The length of the thesis should not exceed 20 pages (font size 12 pt, line spacing 1.3 lines) and can be written in German or English after consultation with the supervisor.

### **Completion of work**

The Bachelor thesis has to be handed in at least 14 days before the date of the seminar Bachelor thesis – Materials Science at the responsible seminar lecturer. The thesis must be presented in a 15- to 20-minute final presentation as part of the seminar Bachelor Thesis – Materials Science, which may include several Bachelor thesis presentations. The respective presentation has to take place in front of the lecturers of the seminar Bachelor thesis – Materials Science. In any case, the supervisor of the Bachelor thesis should attend the presentation. Other students, members of the Montanuniversität

Leoben, as well as industrial partners involved in the work should also be granted the opportunity to participate. After the presentation, the candidate has to take part in a discussion of the Bachelor thesis. The seminar Bachelor thesis – Materials Science is to be evaluated by the seminar lecturer immediately after the presentation of the Bachelor thesis.

### **Miscellaneous**

- Bachelor theses must be submitted to the supervisor in printed and electronic form, respectively. The used literature, the entire sample material, as well as the results and evaluations must be transferred to the supervisor and have to be archived accordingly by him/her.
- Bachelor theses can also be conducted outside the university. In any case, a supervisor that is concurrently also a lecturer of the seminar Bachelor thesis – Materials Science at the Montanuniversität Leoben is required before starting the work. Furthermore, the content must be related to the Bachelor study program in Materials Science.
- Due to avoiding double recognition of ECTS points, it is not possible to combine the material science internship to be credited for the Bachelor's program with the preparation of the Bachelor thesis within the framework of the seminar Bachelor thesis – Materials Science.
- The Bachelor thesis is a non-scientific thesis, which is prepared within the framework of the seminar Bachelor thesis – Materials Science. Therefore, it is not possible to lock the thesis.
- The Bachelor thesis is a seminar paper, but not a final thesis. As such, it is not to be entered in MU-online either.
- When submitting the work, the student must declare in writing that the work has been carried out independently and without outside help, stating all sources used.
- Bachelor theses can support ongoing scientific work (e.g. doctoral theses, postdoctoral theses). In any case, a clear topical delimitation and the protection of copyright must be considered.
- For the preparation of the Bachelor thesis, no employment or financial compensation by the Montanuniversität Leoben is to be provided.