

Algebraic Topology I: Admin

Prof. Dr. C. Löh/F. Hofmann

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Homepage. All information concerning the lectures, exercise classes, office hours, exercise sheets, . . . are available on the course homepage and on GRIPS:

https://loeh.app.ur.de/teaching/topologie1_ws2627

<https://elearning.uni-regensburg.de/course/view.php?id=77618>

Lectures. The lectures take place on Monday (10:15–12:00) and Thursday (8:25–10:00) in M 104. The lecture notes are available via the homepage and GRIPS; the lecture notes will be updated *after* the corresponding lecture.

I would like to encourage all participants to engage actively with the lectures, e.g., by asking questions, giving answers, . . .

There will be a zoom stream for those few participants that are not able to attend in person. The access data will be provided in GRIPS. No video recordings of the lectures will be provided.

Exercises. The new exercise sheet will be published each Thursday by 10:00 on the homepage/GRIPS. The submission of solutions is due one week later by Thursday, 8:20 (via the mailboxes or GRIPS).

Each exercise sheet consists of four regular exercises (4 credits each), bonus problems (4 credits each), and études that will be discussed in the exercise classes.

You may submit solutions in teams of up to two students. In this case, *both* students must be able to present and explain *all* solutions their team submitted.

The exercise classes will start in the second week of the lecture period.

Études. The lecture notes and the exercise sheets contain études, which can be used to practice elementary techniques and notions. These problems should ideally be so easy that they can be solved within a few minutes. Solutions to these problems are neither submitted nor graded.

Submitted solutions. All submissions have to adhere to the following standards:

- Solutions need to be self-formulated by the submitting authors.
- Solutions need to be well-structured and transparent.
- Solutions should be concise and emphasise essential steps.
- You have to fully understand everything your team submits.
- All external sources need to be cited explicitly: books, forums, videos, LLM tools, . . .
Seriously! This is a key aspect of scientific integrity.

- If LLM tools are used: you need to declare
 - the used models;
 - in which way exactly you used the models, i.e., which strategies, prompts, agents, ... have been employed.
- Submitting a certificate in a proof assistant is not sufficient.
 - Solutions in proof assistants need to be human-comprehensible
 - and be accompanied by a justification why/how the formalised statement corresponds to the original claim.

Registration for the exercise classes. Please register for the exercise classes via GRIPS before Wednesday, October 14 2026, 10:00, by selecting your preferred time slots. We will try to fill the groups respecting your preferences. The distribution will be announced at the end of the first week via GRIPS.

If you have questions concerning the exercise classes, please contact Franziska Hofmann (franziska2.hofmann@mathematik.uni-r.de). Please note the sneaky “2” in the email address!

Credits/Exam. This course can be used as specified in the commented list of courses and the module catalogue.

- *Course work/Studienleistung:* Successful participation in the exercise classes: 50% of the credits (of the regular exercises), presentation of a solution in class.
- *Exam/Prüfungsleistung:* Oral exam (25 minutes) during the semester break. Available dates will be announced ahead of time.

You will have to register in FlexNow for the Studienleistung and the Prüfungsleistung (if applicable). Registration will open at the end of the lecture period.

Contact.

- On GRIPS, there is a discussion forum for the course. Please feel free to use it (also for discussions among participants).
- For questions regarding the organisation of the exercise classes, please contact Franziska Hofmann:

franziska2.hofmann@mathematik.uni-r.de

Please note the sneaky “2” in the email address!

- For questions regarding the exercises, please contact your tutor.
- If you have mathematical questions regarding the lectures, please contact your tutor or Clara Löh (clara.loeh@mathematik.uni-r.de).
- If you have questions concerning your curriculum or the examination regulations, please contact the student counselling offices or the examination office:

<https://www.uni-regensburg.de/en/mathematics/study/contact-persons>

- In many cases, also the Fachschaft can help:

<https://www.uni-regensburg.de/physik/fachschaft>