Algebraic Topology, WS 2018/19
Organisation

Prof. Dr. C. Löh/D. Fauser/J. Witzig October 2018

Homepage. Information and news concerning the lectures, exercise classes, office hours, literature, as well as the exercise sheets can be found on the course homepage and in GRIPS:

http://www.mathematik.uni-regensburg.de/loeh/teaching/topologie1_ws1819

https://elearning.uni-regensburg.de

Lectures. The lectures are on Mondays (10:15–12:00; M102) and on Thursdays (10:15–12:00; M104).

Basic lecture notes will be provided, containing an overview of the most important topics of the course. These lecture notes can be found on the course homepage and will be updated after each lecture. Please note that these lectures notes are not meant to replace attending the lectures or the exercise classes!

Exercises. Homework problems will be posted on Mondays (before 10:00) on the course homepage; submission is due one week later (before 10:00, in the mailbox).

Each exercise sheet contains four regular exercises (4 credits each) and more challenging bonus problems (4 credits each).

It is recommended to solve the exercises in small groups; however, solutions need to be written up individually (otherwise, no credits will be awarded). Solutions can be submitted alone or in teams of at most two participants; all participants must be able to present *all* solutions of their team.

The exercise classes start in the *first* week; in this first session, some basics on topological spaces and categories will be discussed (as on the sheet Etudes 0).

In addition, we will provide etudes that will help to train elementary techniques and terminology. These problems should ideally be easy enough to be solved within a few minutes. Solutions are not to be submitted and will not be graded.

Registration for the exercise classes. Please register for the exercise classes via GRIPS:

https://elearning.uni-regensburg.de

Please register before Wednesday, October 17, 2018, 8:00, choosing your preferred time slot. We will try to fill the groups respecting your preferences.

The distribution will be announced on the evening of October 17 via GRIPS.

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

- *Studienleistung*: Successful participation in the exercise classes: 50% of the credits (of the regular exercise), presentation of a solution in class, active participation
- *Prüfungsleistung*: Oral exam (25 minutes), by individual appointment at the end of the lecture period/during the break.

You will have to register in FlexNow for the Studienleistung and the Prüfungsleistung (if applicable).

Further information on formalities can be found at:

http://www.uni-regensburg.de/mathematik/fakultaet/studium/studierende-und-studienanfaenger/index.html

Contact.

- If you have questions regarding the organisation of the exercise classes, please contact Daniel Fauser or Johannes Witzig:

  daniel.fauser@ur.de
  johannes.witzig@ur.de

- If you have questions regarding the exercises, please contact your tutor.
- If you have mathematical questions regarding the lectures, please contact your tutor or Clara Löh.
- If you have questions concerning your curriculum or the examination regulations, please contact the student counselling offices or the exam office:

http://www.uni-regensburg.de/mathematik/fakultaet/studium/ansprechpersonen/index.html

In many cases, also the Fachschaft can help:

http://www-cgi.uni-regensburg.de/Studentisches/FS_MathePhysik/cmsms/