

## General Information Analysis I (engl.) Winter Term 2009/10

Information concerning the course can be found on the homepage. A link to the homepage can be found here:

<https://www3.mathematik.tu-darmstadt.de/index.php?id=84&evsid=26&evssem=4>

### 1 Schedule

**Lecture:** Start 2009-10-13.

|           |               |              |
|-----------|---------------|--------------|
| Tuesday   | 09:50 – 11:30 | in S2 14/024 |
| Wednesday | 11:40 – 13:20 | in S2 04/213 |

**Exercise groups:** Start 2009-10-15.

| Exercise Group Tutor | Time                   | Room       |
|----------------------|------------------------|------------|
| Julian Bitterlich    | Thursday 08:00 – 09:40 | S3 13/334  |
| Zaur Guliyev         | Thursday 11:40 – 13:20 | S2 15/K204 |
| Konstantin Knauf     | Thursday 08:00 – 09:40 | S1 03/209  |

**Tutorials:** Start 2009-10-13.

| Tutor                | Time                  | Room      |
|----------------------|-----------------------|-----------|
| Vassilis Gregoriades | Tuesday 16:15 – 17:55 | S1 02/331 |
| Konstantin Knauf     | Tuesday 16:15 – 17:55 | S1 03/10  |
| Daniel Körnlein      | Tuesday 16:15 – 17:55 | S1 03/111 |

## Email addresses of tutors:

| Tutor                | Email                                                   |
|----------------------|---------------------------------------------------------|
| Julian Bitterlich    | bitt [dot] j [at] web [dot] de                          |
| Vassilis Gregoriades | gregoriades [at] mathematik [dot] tu-darmstadt [dot] de |
| Zaur Guliyev         | zaur444 [at] yahoo [dot] com                            |
| Konstantin Knauf     | k [at] bruch-knauf [dot] de                             |
| Daniel Körnlein      | dkoernlein1 [at] yahoo [dot] de                         |

The script which the lecture will follow can be found on the website.

## 2 Course material and office hours

On the webpage you can find news regarding the course and download lecture notes as well as eventual supplementary notes. Exercise sheets, homework and tutorial sheets with solutions will also be available here.

Sheets with solutions to tutorials, exercises and homework will also be found in the *Lernzentrum Mathematik* (LZM) (in building S2 10). Also the lecture notes will be available for copying in the LZM.

**Literature:** The lecture does not follow any particular book. Some possible additional reading will be given on the webpage.

**Official office hours:** Lecturer, assistant, tutors and exercise group tutors will offer an official office hour once per week. The precise time slots will be fixed in agreement with the students in the relevant classes. More information will be given later.

## 3 Exercises and tutorials

### On the exercise classes:

Each week the students will get an exercise sheet and a homework sheet in the exercise class. At the start of each exercise class a group of one or two students will present their solution to one of the homeworks to be handed in that week (i.e. one of the exercises on the homework sheet handed out last week) on the blackboard. Who will present next time (and which exercise) will be agreed with the exercise group tutor at the end of the exercise class. To get the bonus for the exam (see below) one will have to present a solution in this way sometime during the semester. The presentation should not take more than 15

minutes. The rest of the time the students will work on the exercises, preferably in small groups, and questions concerning the exercises or the lecture in general will be discussed.

The homework should be an individual effort, and handed in to the exercise group tutor the following week. We *strongly* recommend to try to solve the homework problems each week. To get the bonus for the exam (see below) one will have to get 50 percent of the attainable points for homework in the first half of the semester, and 50 percent of the attainable points for homework in the second half of the semester.

A trial exam in the exercise classes towards the end of January will count as one set of homework in this respect.

### **On the tutorials:**

In the tutorials the students will receive another sheet with exercises, and one will discuss these as well as any other open questions concerning the lecture.

## **4 Exam**

There will be a written examination (*Prüfungsleistung*) for Analysis I at the end of the term. More information will be given later.

**Bonus system for exam:** There is a bonus system for the exam, as follows: If the students get 50% of the number of attainable points for homework in the first half of the semester, and 50% of the number of attainable points for homework in the second half of the semester, and if they also present a good solution on the blackboard sometime during the semester, then they will get a *bonus* for the exam. Any student who obtains the bonus will get an improvement of 0.3 or 0.4 points of the grade in the exam, i.e., a 1.7 grade is turned into a 1.3 and a 1.3 is turned into a 1.0. However, this improvement can not lead to anyone passing the exam who otherwise would not.