

Foundations of Mathematics

Taught by Shravan Vasishth

September 21, 2014

1 The basic stuff

- The course runs from 20th October 2014 to 2nd Feb 2015.
- Day: Mondays
- Time: 14:15-15:45AM
- Place: Golm campus, Haus 14 room 035
- Moodle2 website for course: <https://moodle2.uni-potsdam.de/course/view.php?id=xxxx>

We have a total of 14 classes:

- Oct 20, 27
- Nov 3, 10, 17, 24
- Dec 1, 8, 15
- Jan 8, 12, 19, 26
- Feb 2

2 Goals of this course

The goal in this course is to review most of the mathematics needed for the MSc in Cognitive Systems. The course itself will serve as a weekly meeting, a tutorial, to discuss the solutions for homework assignments (not graded) that will be given out weekly.

3 Material to be covered

We will follow the book Guide to Mathematical Methods, by Gilbert and Jordan, Macmillan Press. It can be bought on amazon.co.uk for about 35 British Pounds. Do not buy the book on amazon.de because it costs much more there. In addition to this book, you should follow the lectures by Gilbert Strang on MIT Open Courseware.

4 Grading

Grading will be done based on a 20 minute oral exam. Homework assignments will be given out, but are not graded. The purpose of the weekly meeting with the instructor will be to discuss the solutions to these problems.

5 In the classroom

- As a general rule, please do not chat with each other while I am talking or while we are discussing something in class.
- I expect active participation, which means asking questions and discussing the various issues that come up.
- Please **do not** use cell phones or computers to chat, message or call anyone, and do not check your email or send or receive SMSes. In some cases people may have to keep their phone on due to a sick child or something like that; in that case, please get permission from me before start of class.
- Please come to class on time so that we can start punctually at 14:15AM.