

## SYLLABUS

Math 683

### Set Theory and Applications

Fall 2013

JERZY WOJCIECHOWSKI

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**Office Hours:** M, W, F: 11:30 am – 12:00 noon, or by appointment

**Text:** (recommended but not required)

THOMAS JECH, Set Theory, Edition 3, Springer 2006, ISBN: 978-3540440857

**Prerequisites:** Sufficient mathematical maturity (including fluency in understanding and composing mathematical proofs).

#### Grading:

The course grade will be determined by:

1. homework – 300 pts. available
2. quizzes – 100 pts. available
3. two tests – 200 pts. available
4. final exam (comprehensive) – 200 pts. available

The sufficient scores for each course grade are as follows:

- 500 pts. for C,
- 600 pts. for B,
- 700 pts. for A,
- 750 pts. for A+.

## Schedule:

1. In the description below I assume that each week starts on Monday and ends Friday except weeks 3 and 9 that start on Wednesday and week 16 that consists of Monday only. The week of thanksgiving break is between weeks 14 and 15.
2. New material will be introduced in classes 1–12, 16–26, and 30–40.
3. The tests will be given in classes 15 and 29 (Mondays, September 23 and October 28). The remaining classes will be review classes.
4. The final exam will be given on Thursday, December 12 from 3pm to 5pm.
5. Quizzes will be given each Wednesday of weeks 2, 4, 5, 7, 8, 10, and 12–14 and on Friday of weeks 3, 9 and 15 (September 4, October 18 and December 6). These are classes 5, 8, 10, 13, 19, 22, 25, 27, 33, 36, 39, 43. The material for the quiz consists of what was covered after the previous quiz or test. Each quiz will be worth 10 pts. Two worst quiz scores will be dropped.
6. Homework will be assigned after (almost) each class (10 pts. for each assignment) and will be due on the day of the following class for full credit. Half of the credit can be earned if the assignment is submitted by the day of the subsequent class with no credit given for any later submission. The submission can be electronic to the e-mail address listed above. Note that it is the mix e-mail address (**not** the departmental one). The paper version can be handed in class or left on the door of the office (by 1pm). Remember to include the **name**, the **course** number and the **assignment** number at the top of the first page. The deadline for electronic submission is 8am of the day following the deadline for the paper submission.