

Math 581

# Topology 1

Fall 2018

JERZY WOJCIECHOWSKI

## SYLLABUS

**Office:** 308H Armstrong Hall    tel. 293-9170

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**Office Hours:** M, W: 2:30 pm – 3:00 pm, or by appointment

**Main Text:** STEPHEN WILLARD, General Topology

**Supplementary Text:** JAMES R. MUNKRES, Topology

### Prerequisites:

- Sufficient mathematical maturity (including fluency in understanding and composing mathematical proofs).
- Mastery in undergraduate real analysis.

### Grading:

The course grade will be determined by:

- twenty homeworks worth 5 pts each – 100 pts available.
- six 15 minute quizzes worth 25 pts each with 4 best scores counted – 100 pts available.
- two 30 minute mini-tests worth 50 pts each – 100 pts available.
- final exam (comprehensive) – 200 pts. available

The sufficient scores for each course letter grade are as follows:

- 400 pts. for A,
- 340 pts. for B,
- 280 pts. for C.

### **More information:**

- Each homework will be due at the beginning of the next class after the class it was assigned.
- Late homeworks will not be accepted.
- No homework will be assigned at a class preceding a quiz or a mini-test.
- I plan to assign the homework at classes 1, 2, 3, 5, 6, 8, 9, 11, 12, 14, 15, 17, 18, 20, 21, 23, 24, 26, 27, 28.
- Quizzes will be given at the end of classes 5, 8, 14, 17, 23 and 26.
- Mini-tests will be given at the end of classes 11 and 20.
- The material covered at a quiz or a mini-test will include all earlier classes except for the last one before the quiz or mini-test.
- Each quiz will concentrate on the three most recent classes (except the last one) and each mini-test will concentrate on the nine most recent classes (except the last one).
- For example, the quiz given at class 8, will cover the material from classes 1–6, but it will concentrate on classes 4–6. The mini-test given at class 20 will cover classes 1–18, but it will concentrate on classes 10–18. The final exam will be comprehensive.