

MAT327 COURSE OUTLINE

1. GENERAL INFORMATION

- 1.1. **Class Location and Time.** Tuesday 3-4 , Thursday 2-4 in KP108.
- 1.2. **Tutorials.** There are 2 tutorial sections. Monday 12:00 - 13:0 in HA 403, and Monday 13:00 - 14:00 MS 2173
- 1.3. **Office Hours.** Tuesday 4-5 HU1001B.
- 1.4. **Contact Information.** My e-mail is jacobt@math.toronto.edu

2. COURSE DESCRIPTION

Hours: 36L

Metric spaces, topological spaces and continuous mappings; separation, compactness, connectedness. Fundamental group and covering spaces. Brouwer fixed-point theorem. Students in the math specialist program wishing to take additional topology courses are advised to obtain permission to take MAT1300H, MAT1301H.

Prerequisite: MAT157Y1/(MAT237Y1, MAT246H1 and permission of the instructor).

Distribution Requirements: Science

Breadth Requirements: The Physical and Mathematical Universes (5)

3. MARKING SCHEME

There will be one term test (30% of the total grade) and a final exam (40%), as well as 6 homework assignments (30%) of which the lowest one will be dropped.

4. HOMEWORKS

The due dates for the homework are Sep 16, Sep 30, Oct 14, Oct 28, Nov 11, Nov 25. *Homeworks are due in Tutorial and must be physically handled in. E-mail submissions will not be accepted.*

5. TERM TEST GRADING

The term test will be held in class on **October 17, 2019**. If you score higher on the final exam than on the term test, your term test mark will be replaced by your mark on the final exam. Likewise, If you miss the term test, your grade will be replaced by your grade for the final exam