

MATH 613 Graph Theory

Tentative schedule

Fall 2021

This tentative schedule might be revised during the semester without notification. See the course website for the up-to-date schedule.

The purpose of this schedule is to provide information about what sections of the textbook are expected to be covered in this course and when they are expected to be covered in the lectures.

- Week 1 (Aug 31, Sep 2).

Introduction

1.2

- Week 2 (Sep 7, 9)

1.2

Trees

2.1

- Week 3 (Sep 14, 16)

2.3

2.2

- Week 4 (Sep 21, 23)

2.2

Connectivity

4.1

4.2

- Week 5 (Sep 28, 30)

Connectivity

4.3

- Week 6 (Oct 5, 7)

Connectivity

4.3

Matching

3.1

- Week 7 (Oct 12, 14)

First Midterm is on Oct 12

Matching

3.1

- Week 8 (Oct 19, 21)

Matching

3.3

planar graphs

6.1

- Week 9 (Oct 26, 28)

planar graphs

6.2

- Week 10 (Nov 2, 4)

planar graphs

6.2

6.3

extremal graph theory

5.2

- Week 11 (Nov 9, 11)

extremal graph theory

5.2

coloring

5.1

- Week 12 (Nov 16, 18)

coloring

5.1

- Week 13 (Nov 23, 25 (25 no class))

coloring

5.2

Nov 25 is Thanksgiving, no class

- Week 14 (Nov 30, Dec 2)
coloring
6.3
7.1
- Week 15 (Dec 7, 9 (9 no class))
coloring
7.1
Ramsey
8.3
Dec 9 is Reading day, no class