GRAPH THEORY 21-484

Spring 2000

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Office hours Tu,Th 11AM–12AM.

Class Schedule:
Section C: MWF 1.30, WEH7500.

Copies of transparencies: (as .ps files)

On the web:
http://www.math.cmu.edu/ af1p/GT/GT.html

On andrew

~ af1p/public/teaching/GTS2000

1. INTRODUCTION

Graph theory started in 1736 when Euler proved to the citizens of Konigsberg that it was impossible to traverse their city without crossing any bridge twice. Since then the subject has grown enormously, and it contains many results of great beauty. It has also developed into a powerful conceptual tool which finds many applications in Computer Science and Operations Research.

2. COURSE OBJECTIVES

(i) To introduce the basic concepts and problems involved in the study of graphs.

(ii) To demonstrate the importance of graphs as a tool in a variety of areas.

3. COURSE TEXT

J.A.Bondy and U.S.R.Murty

Graph Theory with Applications

Out of print: photocopies available from text-book store in the University Center.

4. GRADING SYSTEM

Weekly Homeworks, Four Tests.

Homework	10%
4 Tests	90%

I will base your grade on your best 8 homeworks and your best 3 tests.

A: $TOTAL \geq 80\%$
B: $70\% \leq TOTAL < 80\%$
C: $60\% \leq TOTAL < 70\%$
D: $50\% \leq TOTAL < 60\%$

In the event that there are fewer than 1/4 A's, I will re-scale to produce this many.