## $\mathbf{MAT}\ \mathbf{332}\ \mathbf{F}$

## **Course Information Sheet**

Fall 2010

This sheet summarizes information for the course MAT 332 F ("Introduction to Graph Theory") during the Fall session of 2010 on the St. George campus at the University of Toronto. By the end of the first week of classes, you should have read and become familiar with the contents of this information sheet.

Course Website

## http://www.cs.utoronto.ca/~mbraverm/MAT332/

The course website will be available at the start of the first week of classes and it will always contain the most up-to-date information possible regarding the course. You are responsible for all announcements posted on the course web site, so please check the Announcements page frequently (at least once a week). You are also responsible for all announcements made in lectures: make a friend in class and get their notes if you miss class.



InstructorOfficeEmailOffice HoursMark BravermanSF2302Bmbraverm@cs.toronto.eduT 4-5, R 2-3Please include [MAT332] in all email communication about course-related matters.

 Lecture:
 Time: T 2-4
 Place: ES B142

 Time: R 3-4
 Place: ES B149



Instructor office hours will be decided during the first week of classes and posted on the course website.



The required textbook for the course is "Introduction to Graph Theory" by Douglas B. West. The textbook will be used for readings and exercises throughout the term.



The following topics will be covered in this course, tentatively in the order listed.

- Fundamental concepts.
- Trees and spanning trees.
- Connectivity and paths.
- Matchings and flow.
- Planar graphs.
- Ramsey theory.
- Random graphs.
- Additional topics (expanders, spectral graph theory).

## **Course Information Sheet**



Item	Posted by	Due Date	Weight
Assignment 1	Sept 21	Oct 7	7.5%
Assignment 2	Oct 5	$Oct \ 21$	7.5%
Midterm		$Oct \ 26$	25%
Assignment 3	Nov 2	Nov 18	7.5%
Assignment 4	Nov 16	Dec 2	7.5%
Final exam		Dec 10–21	45%

Notes:

- To pass this course, you must achieve a mark of 40% on the final exam.
- If your final exam mark is higher than your midterm mark, the midterm is counted with only 15% weight, and the final with 55%.
- On the term tests and final exam, if you cannot answer a question (or part of a question), you will receive 20% of the marks for that question (or part of a question) if you write "I don't know" and nothing else.

Assignment Submission

Lateness Policy

All assignments are due *no later than 2pm* on their due date. All assignments must be submitted in class.

However, if you require special consideration for one of your assignments, please follow the "Policy on Special Consideration" given on the Main Webpage: hand in your assignment directly to your instructor along with any supporting documentation.

All assignments are due  $by \ 3pm$  on their due date. Late assignments will be accepted up to 25 hours after this deadline, with the following penalties.

Submission time	Penalty
by 3pm on Thursday	none
by 10am on Friday	-10%
by 4pm on Friday	-25%
after 4pm on Friday	-100%

Note that lateness penalties will be computed as a percentage of the total marks on the assignment, not of the mark you obtain. Late assignments must be submitted directly into the instructor's personal mailbox on the 6th floor of Bahen Center (in the Math Department office), unless you require special consideration (see the section above for details). **Please write the** *exact* submission time on your assignment if you are submitting late. The late policy is strictly enforced.

Plagiarism

Please read the Guidelines for Avoiding Plagiarism page for full details of the course policies and the Faculty's rules. Plagiarism is a form of academic fraud and is treated very seriously. The assignments you hand in must not contain anyone else's work or ideas, without proper attribution. In particular, the actual writeup of your assignments must be done in isolation from others (and without copying from notes or other sources). This ensures that your solution is truly your own, that you understand the course material, and that your grade reflects your own understanding.

Note that it is a serious offense to help someone commit plagiarism. Do not let others look at your solutions, even in draft form.

Please do not commit plagiarism, for your own sake. If you are having trouble with the course, come speak to us, that's why we're here!