

# Discrete Mathematics II

## MATH 30123

Fall 2009  
TTC 135  
MWF 2:00 – 2:50 pm

*Mathematics should be fun.* – Peter Hilton

**Instructor:** Dr. Efton Park  
TTC 313  
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**Office Hours:** 10:00 – 11:00 am MF, 1:00 – 2:00 pm TWR, and by appointment

**Final Exam:** 3:00 – 5:30 pm Friday, December 18, 2009

**Required Text:** *Discrete Mathematics and its Applications*, 6<sup>th</sup> edition, by Kenneth H. Rosen

**Additional Resources:** Some sort of calculator will be useful, but not required.

**Course Description:** Miscellaneous topics in discrete mathematics; possible topics include recurrence relations, the inclusion-exclusion principle, binary relations, graphs and trees, and Boolean algebra.

**Prerequisite:** MATH 20123

**Purpose of Course:** This course currently meets all or part of the following requirements for a degree:

- UCR math requirement
- Requirement or elective for other majors

## Course Format

Your grade will be determined by your performance on three exams during the semester, daily homework assignments, and a cumulative final exam.

**Homework:** I will regularly assign homework, and I will post the assignments on eCollege, so you should check that regularly. Note the due date for each assignment, because I will only accept late homework in cases of a university-excused absence. I strongly recommend that you work on your own on each assignment, because this is the situation you will be in during exams!

**Grades:** Your final grade will be determined according to the following percentages:

Exam 1	September 18	16%
Exam 2	October 23	16%
Exam 3	November 19	16%
Homework		17%
Final Exam	December 18, 3:00 – 5:30	35%

You can track your progress in the course at eCollege. Click here for more information:

<http://www.elearning.tcu.edu/resources/howtologinvideo/howtologinvideo.asp>

Your final grade for the course will be based on a 1000-point scale, and the grades will be assigned as follows:

1000 – 920	A
919 – 900	A-
899 – 880	B+
879 – 820	B
819 – 800	B-
799 – 780	C+
779 – 720	C
719 – 700	C-
699 – 680	D+
679 – 620	D
620 – 600	D-
599 – 0	F

## General Information

**Attendance Policy:** – I do not require attendance in my classes. However, you will do much better in the course if you regularly attend the lectures. If you choose to miss class, even in the case of a TCU-excused absence, you are responsible for the material covered on the day(s) that you miss. If you have a university-excused absence that happens to fall on an exam date, you must notify me in advance. In the case of illness on an exam date, contact me as soon as you know that you will be unable to take the exam.

**Statement on Disability Services at TCU:** Texas Christian University complies with the Americans with Disabilities Act and Section 504 of the Rehabilitation Act of 1973 regarding students with disabilities. Eligible students seeking accommodations should contact the Coordinator for Students with Disabilities in the Center for Academic Services located in Sadler Hall, 11. Accommodations are not retroactive, therefore, students should contact the Coordinator as soon as possible in the term for which they are seeking accommodations. Further information can be obtained from the Center for Academic Services, TCU Box 297710, Fort Worth, TX 76129, or at (817) 257-7486.

**Academic Misconduct (Sec. 3.4 from the Student Handbook):** – Any act that violates the academic integrity of the institution is considered academic misconduct. The procedures used to resolve suspected acts of academic misconduct are available in the offices of Academic Deans and the Office of Campus Life. Specific examples include, but are not limited to:

- Cheating: Copying from another student's test paper, laboratory report, other report, or computer files and listings; Using, during any academic exercise, material and/or devices not authorized by the person in charge of the test; Collaborating with or seeking aid from another student during a test or laboratory without permission; Knowingly using, buying, selling, stealing, transporting, or soliciting in its entirety or in part, the contents of a test or other assignment unauthorized for release; Substituting for another student or permitting another student to substitute for oneself;
- Plagiarism: The appropriation, theft, purchase or obtaining by any means another's work, and the unacknowledged submission or incorporation of that work as one's own offered for credit. Appropriation includes the quoting or paraphrasing of another's work without giving credit therefore.
- Collusion: The unauthorized collaboration with another in preparing work offered for credit.

**TCU Campus Resources for Students:** Many resources exist on the TCU campus that may be helpful to students: Mary Couets Burnet Library (<http://lib.tcu.edu>), Center for Academic Services (<http://www.acs.tcu.edu>), Student Development Services (<http://www.sds.tcu.edu>); and University Ministries (<http://www.faith.tcu.edu>).

**Email Notification:** Only your official TCU student email address will be used for course announcements. It is your responsibility to check your TCU email on a regular basis.

***TCU Mission Statement***

*To educate individuals to think and act as ethical leaders and responsible citizens in the global community*