MATH 3343 - Combinatorics, Fall 2006

Office: MMS 115F
Office Hours: MWF 10:00-11:30
          T 10-11, 3-5

Instructor: Brian Miceli
Email: bmiceli@trinity.edu
Web Page: www.trinity.edu/bmiceli

Course Description: Class will meet on Tuesdays and Thursdays in MMS 110 from 11:20-12:35. This course will cover a good portion of the course textbook and can be thought of as a course in enumerative combinatorics with an introduction to classical graph theory. Time permitting, at the end of the semester we will discuss some very introductory, graduate level concepts in enumerative and algebraic combinatorics.

Prerequisites: Math 1311 – Calculus I

Recommended Courses: MATH 2326 – Introduction to Abstract Mathematics
                                      MATH 3323 – Applied Linear Algebra


Calculators: Calculators will not be permitted on the midterm, but are allowed on all homework assignments and the final exam.

Office Hours: The office hours listed above are times that I will be available in my office to answer questions. I will also make appointments to be in my office for special circumstances.

Evaluation:
Homework/Attendance: 40%
Problem Presentation: 10%
Midterm: 20%
Final Exam: 30%

The final course percentage out of 100 will be computed using the above scoring method and letter grades will be given. The class grades will be curved at the end of the semester; however, there will be no grades between C- and F given.
**Homework/ Attendance:** Every Thursday you will be given a homework assignment that will be due the following Thursday. On the Tuesday prior to the due date, we will spend the first portion of class discussing the problems from the current assignment, and at the end of that discussion I will give five (5) problems to be turned in on Thursday. The five assigned problems will then be collected on that Thursday at the beginning of class, and they will each be graded out of 5 points. It is the student’s responsibility to do all assignments before the class in which they are due, and no late assignments will be accepted. You are only allowed to write on one side of the page, and all homework assignments must be stapled together with your name on them. Problems which are not written up clearly and neatly done will receive no credit. At the end of the semester, the two homework assignments with the lowest scores will be dropped.

Collaboration is a very important part of mathematics, and I encourage everyone to work together on homework assignments. That being said, it is never acceptable to simply pass off someone else’s work or ideas as your own. Therefore, you must cite sources on any work that is to be turned for a grade, whether it is from another textbook or from another student in class. Citing sources and giving credit to others for their ideas is a crucial part of any higher level of education, and this rule is not to be taken lightly, but also understand that you will in no way be penalized for quoting a textbook or getting a proof idea from a classmate as long as everything is cited properly.

**Problem Presentation:** In-class problem presentations will take place each Thursday after the homework is collected. On the Tuesday prior, a few students will be chosen at random (if we are without volunteers) and each will be assigned a problem from the current assignment to present at the beginning of class on Thursday. Each student must give at least 2 presentations during the semester, and each presentation will be graded out of 5 points. If a student wishes to replace their score on a presentation, then they may go again only after everyone else has completed their quota of presentations, and only then if there is time remaining in the schedule.

**Midterm:** There will be one midterm during the semester on Tuesday, October 17th. The midterm will be returned the following class period on Thursday, October 19th, and we will go over the solutions at that time.

**Final Exam:** The final exam will be a cumulative, take-home exam. More specific details will be provided as the semester progresses, but the exam will be passed out on Thursday, November 30th, and it will be due to my office no later than Wednesday, December 13th.

**Important Dates:**

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<th>Event</th>
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<tr>
<td>End of Add/Drop</td>
<td>August 31st</td>
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<td>Midterm</td>
<td>October 17th</td>
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<td>Midterm Returned</td>
<td>October 19th</td>
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<td>Event</td>
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<td>Last Day for Withdrawal</td>
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<td>Final Exam Handed Out</td>
<td>November 30th</td>
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<td>Final Exam Due</td>
<td>December 13th</td>
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**Academic Honesty:** I will strictly enforce Trinity University’s academic honesty policies. Please do not cheat or try to pass off someone else’s work as your own. I will immediately report any incident the proper university authorities.

**Disability Services for Students:** If you have a documented disability and will need accommodations in this class, please speak with me privately early in the semester so I may be prepared to meet your needs. If you have not already registered with DSS, contact the office at 999-7411. You must be registered with DSS before I can provide accommodations.