This course is an introduction to Combinatorics and Graph Theory. The text that we will use is “Combinatorics: Topics, Techniques, Algorithms,” by Peter J. Cameron, published by Cambridge University Press. Most of the textbook is on Google books. We will cover chapters 3–11 and some of the later material. The course is fairly self-contained, so it will be accessible to anyone who has completed an undergraduate math program.

The course web page is

http://math.gmu.edu/~wmorris/641hwf10.html

This web page will contain all of the homework assignments and other important information.

There is no class on Tuesday, October 12. Your Monday classes meet on that day. There is also no class on Thursday, November 25.

There will be two tests during the semester. These tests are tentatively scheduled for October 5 and November 16. Each of the first two tests determines 25% of the final grade. The final exam is cumulative. It will be given on December 16, at 4:30 PM. One third of the final grade is determined by the final exam. Ten percent of the grade is based on short in-class presentations of the “Project” sections from the book. The remainder of the final grade comes from weekly homework assignments. Solutions to the exercises are on Peter Cameron’s web page, but try to do the exercises by yourself before you consult the oracle. Even if you use Cameron’s solution, try to write it up in your own words.

If you are a student with a disability and you need academic accommodations, please see me and contact the Office of Disability Resources at 703/993-2474. All academic accommodations must be arranged through that office.

Feel free to come to my office if you have any questions. I check my e-mail daily, so you can also ask questions that way. Be certain that you understand all of the homework assigned and all of the assigned reading, and that you ask questions in or out of class in order to clear up any problems you might have. Bear in mind that the questions that you ask in class help not only you, but also the professor and all of the others who had the same questions but were afraid to speak up.