

### Discrete Mathematics

In this class we will consider problems such as counting techniques - how many objects are there with particular properties, how many ways are there to perform certain actions etc. We will also discuss mathematical proofs with emphasis on the technique of induction. Finally we will consider some special topics in graph theory and the theory of designs,

Professor: David Sumner

Phone: (803)-777-3976

Home Page: <http://www.math.sc.edu/~sumner/>

Office Hours: By appointment, and Monday – Friday 3:00 - 4:00PM,

Office: LeConte 4011

Textbook: Optional

Email: [sumner@math.sc.edu](mailto:sumner@math.sc.edu)

### Grading

There will be three hour exams valued at 100 points each for a total of 300 points.

There will be twelve quizzes valued at 10 points each and the lowest two of these are dropped to provide an additional 100 points,

Finally, the final exam will be comprehensive and worth 150 points.

The final grade is based on the percentage of the grand total of 550 possible points.

You may replace your lowest exam grade by your percentage on the final exam.

**Note:** Consistent attendance is expected, and *you should not be late for class*.

This can seriously affect your grade.

### Grading Scale

90% - 100% A

88% - 89% B+

80% - 87% B

78% - 79% C+

70% - 77% C

68% - 69% D+

60% - 67% D

0 % - 59% F

### WEB Site

There is a web site for this class. This site contains material such as practice exams, solutions to selected problems on problem sets, review sheets, study guides, and more. The URL of the site is <http://www.math.sc.edu/~sumner/math574summer2008/>.

### Help

There will be a review session before each hour exam, and you are also encouraged to come see me about any problems you're having (or anything else for that matter). If you can't make the office hours, let me know when you'd like to come by. I enjoy having students stop by my office. I also answer e-mail.

### Homework

Homework will be assigned regularly and we will discuss any exercises that cause difficulty. Homework will *not* be collected and graded however.

## **Exam Schedule (tentative)**

Exam 1      Monday June 9

Exam 2      Monday June 16

Exam 3      Monday June 23

### **Final Exam**

Thursday, June 26, 10:30 AM – 12:45 PM. (No exemptions, and it's cumulative)