

## Information for students in Math 126B, Fall, 2004

**Instructor:** Nancy Stanton

268 Hurley, 631-7436  
Office hours: by appointment or  
4:00-5:00 p.m. M  
8:45-10:00 a.m. T  
2:30-3:45 p.m. W  
8:45-9:30 or 10:00 a.m. Th  
email: stanton.1@nd.edu

**Tutorials and Teaching Assistants:**

MATH 26BT-01 (3:55-4:45 p.m. Tues.)  
Shuangcai Wang  
253B Hayes-Healy, 631-5459  
Office hours: W 3:00-4:00 p.m. and Th 2:00-3:00 p.m.  
email: wang.108@nd.edu

MATH 26BT-02 (11:00-11:50 p.m. Tues.)  
Alyona Korovnichenko  
253A Hayes-Healy, 631-6277  
Office hours: 4:00-5:00 p.m. T and 6:00-7:00 p.m. Th  
email: korovnichenko.1@nd.edu

**Texts:**

Stewart, *Single Variable Calculus*, Fifth edition  
Student edition of Maple, optional (I will send you an email with directions about how to obtain it directly from Maple at a discounted price.)

**Syllabus:** We will cover Chapters 7 and 8, parts of Chapters 9 and 10, Chapter 12, and part of Chapter 11, in that order. The topics are inverse functions, techniques of integration, applications of integration, differential equations, infinite sequences and series, parametric equations and polar coordinates.

You are encouraged to read each section of the text before it is covered in class. To do well, you **must** keep up with the homework and review frequently.

**Computers:** I will use the computer algebra system Maple for classroom demonstrations. There will be information available on the course web site on how to use Maple, and there will be optional Maple worksheets with problems related to the course material which I encourage you to try.

**Examinations:** There will be two midterms, eleven quizzes and a final exam.

Exam I: Tuesday, September 28, 8:00–9:15 a.m. in CSC 124  
Exam II: Thursday, November 11, 8-9:15 a.m. in CSC 124

Final: Thursday, December 16, 1:45-3:45 p.m.

**Quizzes:** Tuesdays, in the tutorials, beginning August 31, weekly except the weeks of the midterms and the last week of classes.

Calculators will generally be allowed on most quizzes and exams.

**Homework:** Homework assignments will be posted on the course web site on Wednesday. The first assignment is already posted. Assignments will usually include reading and problems from the book. The problems will be due the following Wednesday. There may also be an extra credit assignment, which will usually be due the Friday following the due date for the assignment. There will also be some Maple problems, which I encourage you to do but you will not turn them in unless they are part of an extra credit assignment. Unexcused late homework is not accepted.

### **Grading:**

Midterms 100 points each

Quizzes 100 points (10 points each, the lowest quiz score will be dropped)

Final 150 points

Homework 50 points (after scaling)

**Absence from examinations and quizzes:** A student who is absent from an examination or quiz without an official excuse will receive a grade of zero for that examination or quiz. A student who is officially excused shall not be penalized. If you miss a test or quiz for any reason, call or email me or call the Mathematics Department as soon as possible.

**Honor Code:** The Honor Code is in effect for all exams, quizzes and assignments. You are encouraged to work together on the assignments, but copying from any source or submitting work done by others as your own is a violation of the Honor Code.

**Web Site** The web page for this section is

<http://www.nd.edu/~nancy/Math126/info.html>

On this page you will find general information about the course (including a copy of this handout), homework assignments, announcements, information about Maple, Maple demonstrations and the optional Maple worksheets.

**About office hours and tutorials:** If you have a question about the homework which you would like me to discuss in class, please send me an email message telling me what the question is by 8 a.m. the day of class. At the start of class, I will answer a few of these questions, carefully chosen to be representative. Since this is a large class, I will probably not have time to answer all the questions about homework in class. In the tutorials, the teaching assistant will answer questions about the homework and will give the weekly quiz, but he or she may not have time to answer all the questions. You can get additional help from us during our office hours. During office hours I am also happy to discuss topics from the course in greater depth or to discuss any math-related questions you might have.