

Math 201: Calculus I

Winter 2007

Instructor: Neil Martinsen-Burrell (Science Center 363, 319-352-8420, nmb@wartburg.edu)

Class Web Page: <http://mcsp.wartburg.edu/nmb/math201>

Office Hours: MWF 8-9am, T 2:30-4:00 and by appointment

Prerequisites: Three years high school mathematics (including one semester trigonometry) or MA 190 recommended.

Text: Ostebee and Zorn, *Calculus: From Graphical, Numerical and Symbolic Points of View*, second edition.

Description: First college-level mathematics course for students with satisfactory preparation. Topics from algebra, plane analytic geometry, calculus. Emphasis on functions, limits of functions, continuity, derivatives, integrals and applications.

Homework: Working problems is an important part of the process of learning this material—just coming to class is not enough!

Homework problems will be assigned the class period before the material will be covered. ***You should try all of the problems before coming to the following class.*** That is the only class in which I will accept questions about that homework. (You are welcome to ask any question that you want anytime outside of class.) This should work well because you will be reading the material before you come to class (see Writing About Reading below) and then trying all of the homework problems before you come to class. The homework will then be due the class period after I answer questions and cover the material.

Collaboration is an important mathematical skill, so collaboration on homework is allowed and encouraged. **But** copying from another person is prohibited in accordance with the Honor Code (see below). Think of your classmates as reference materials for your homework, and remember to cite your references: “I consulted Daffy Duck on the above problem.”

Maple Assignments: In addition to the written homework, there will be weekly group assignments using the computer program Maple, which is available in the computer lab next to our classroom (SC 249). You will work on these assignments in groups which will remain the same for four weeks at a time. You will turn in these assignments electronically as Maple worksheets on socrates.wartburg.edu.

You will also individually turn in an assessment of your group members' contributions weekly. This assessment is intended to prevent unpleasant or unproductive group dynamics from continuing. If you have concerns with the dynamics of your group, you should speak to your fellow group members or to me directly.

Writing About Reading: Learning outside of class time is the most important way for you to learn this material. To develop your communication skills and ensure that you are reading the material before class, there will be a *short* writing question posted on the Manhattan system (socrates.wartburg.edu, details to follow) about each day's readings. You must complete the assignment before the start of class to get credit. These assignments will not be graded, only checked to see that you completed them.

Exams: There will be three midterm exams (January 31, February 26, March 30) and one cumulative final exam (April 17, 11:30am).

Grading:

Homework	20%
Maple Assignments	20%
Writing About Reading	10%
Midterms	30%
Final	20%

Grading will be relative to the performance of the rest of the class, except that a 90% will guarantee you at least an A-, 80% a B-, 70% a C- and 60% a D-.

Academic Honesty: By attending Wartburg College, students pledge their dedication to the Honor Code.

As a matter of personal commitment, students, faculty, and staff of Wartburg College are expected to demonstrate four simple principles.

1. All submitted work must be your own.
2. When using the work or ideas of others, including fellow students, provide full credit through accurate citations.
3. Ask for clarification if there is uncertainty about citation rules on a particular assignment.
4. Maintain academic honesty on examinations and class assignments.

Academic dishonesty will result in consequences between a failing grade for that assignment and a failing grade for the course.

Special Needs: The Americans with Disabilities Act of 1990 (ADA) provides protection from illegal discrimination for qualified individuals with disabilities. Students requesting instructional accommodations due to disabilities must arrange for such accommodations by contacting the Dean of Students Alexander Smith (STU 195, 352-8260, alexander.smith@wartburg.edu) Accommodation should be requested *prior* to affected assignment due dates.