**Mathematics 101**  
**Core Competency in Mathematics**  
**Spring, 2006**

**Prerequisites:** At least two years of college preparatory high school mathematics including at least one year of high school algebra. (Normally this translates to Intermediate Algebra and Geometry).

**Instructors:**

**Office Hours:**

**Teaching Assistant:**

**Calculators:** A hand calculator which can do basic arithmetic, exponents (a $y^x$ key), and square roots is needed. A calculator with parentheses is suggested.


**Web page:** www.math.niu.edu/~buck/MATH101

**Syllabus:** The following topics will be covered:

- Chapter 1: Statistics, Sections 1–6.
- Chapter 2: Logical Statements and Arguments, Sections 1–4.
- Chapter 3: Geometry in Problem Solving, Sections 1–3.
- Chapter 4: Estimation, Approximation, and Judging the Reasonableness of Answers, Sections 1–3.
- Chapter 5: Problem Solving, Sections 1–3.

**Exams and Grades:**

There will be 740 total points in the course. The work sheet will help you calculate your point total as the semester progresses.

Make-up exams will be given only in the event of illness or serious emergency. It is the student’s responsibility to contact the instructor before the time of the exam to arrange permission for a make-up exam.

All make-up exams will be scheduled for Thursday, MAY 4, 2006 at 4 P.M.

**NO** make-up quizzes will be given. Students who miss quizzes because of illness, serious emergency, or other unavoidable circumstances should make such situations (with documentation) known to the instructor. **Late homework** will not be accepted. Homework or projects **Can not** be turned in via email. There is **NO** extra credit available in Math 101 - don’t even ask.

**The final exam is scheduled for Thursday, May 11, 2006, 8:00-9:50 A.M.**

You have the following assurances about your grade in Mathematics 101:

- If you make 85% or more, 629 or more points, you are sure to make an A;
- If you make 75% or more, 555 or more points, you are sure to make a B;
- If you make 60% or more, 444 or more points, you are sure to make a C;
- If you make 50% or more, 370 or more points, you are sure to make a D.
CAAR students: The Department of Mathematical Sciences maintains a working relationship with the CAAR office. Any student needing accommodation for ADA or other disabilities needs to work through the CAAR office so that we can effectively meet their needs.

Academic misconduct: Academic misconduct includes cheating. Any student who copies another person’s work (homework, projects, quizzes or tests) and represents it as their own work is guilty of academic misconduct. It is not tolerated in Math 101, and can result in a 0 grade for the assignment, an F for the course and referral to the Student Judicial Office.

Withdrawal date: The last day to withdraw from this course without penalty is Friday, March 10, 2006.

(0VER)
Grade worksheet

1. **Quizzes** (90 points). There will be eleven 10-point quizzes, given in recitation or lecture, during announced weeks. Record your quiz scores here:

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
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At the end of the semester, cross out your lowest two quiz scores, and add up the remaining nine to get your **QUIZ TOTAL** ___________ (A)

2. **Homework** (90 points). There will be eleven 10-point graded homework sets due on announced days. Record your homework scores here:

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<th>1</th>
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</table>

At the end of the semester, cross out your lowest two homework scores, and add up the remaining nine to get your **HOMEWORK TOTAL** ___________ (B)

3. **Projects** (40 points). There will be two projects, each worth twenty points. Record your project scores here:

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At the end of the semester, add these two scores to get your **PROJECT TOTAL** ___________ (C)

4. **Mini-Quizzes** (20 points) There will be eleven 2-point quizzes, given in recitation or lecture, which are unannounced. Record your mini-quiz scores here:

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<th>1</th>
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At the end of the semester, cross out your lowest mini-quiz score and add up the remaining tests to get your **MINI-QUIZ TOTAL** ___________ (D)

5. **Hour Exams** (300 points). Each of the three hour exams is worth 100 points. Record your exam scores here:

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At the end of the Semester, add up the three to get your **HOUR EXAM TOTAL** ___________ (E)

6. **Final Exam** (200 points). The final exam will consist of 40 multiple choice questions, worth 5 points apiece. It will cover the entire course. Record your final exam score here ___________ (F)

7. Add (A), (B), (C), (D), (E), and (F) to get your point total ___________.