This semester you will further explore mathematical concepts necessary for successful teaching in the elementary school setting. Specifically you will study measurement, probability, statistics, and geometry. Group work, working with manipulatives, general problem solving techniques, technological integration, as well as other pedagogical issues pertaining to mathematics education, will be explored.

Accommodation: If any student is in need of an accommodation due to a documented disability, the student must notify the instructor within the first two weeks of class in order for the proper arrangements to be made.

Attendance/Participation:
• Three tardies equals one absence. You are considered tardy if you are not present in class for between five minutes up to half of the minutes of any class, regardless to whether that means you missed the beginning of class, part of the middle of class, or you left early. Each tardy deducts 2 points from your participation grade.
• You are considered absent from any class, if you do not attend for at least half of that one session. Three absences are allowed through the nine-week drop date. If you accrue more than these three allowable absences (four or more) during the first nine weeks of the semester, you will be automatically dropped from the class. If two of these allowed absences occur in the first two weeks of class, you will be dropped from the class. During the second half of the semester, three more absences are allowed before receiving an automatic fail. Each absence deducts seven points from your participation grade. Missing an exam, without previously informing the instructor, may result in your being dropped from the class.
• Deliberate distractions from class, like sleeping in class; text messaging; not having your textbook, geometric tools, notebook, and/or writing utensils; doing your homework in class, when not directed to do so; etc., will not be tolerated. Each deliberate distraction from class deducts 2 points from your participation grade. A second deliberate distraction in the same class period will be met with dismissal from that class, which means a 7 point participation grade deduction.

Grading:
<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Individual Tests</td>
<td>30%</td>
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<tr>
<td>Group &amp; Workbook Work</td>
<td>10%</td>
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<tr>
<td>Stats Project</td>
<td>5%</td>
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<tr>
<td>Computer Work (Excel/GSP)</td>
<td>10%</td>
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<tr>
<td>Homework</td>
<td>15%</td>
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<tr>
<td>Participation</td>
<td>10%</td>
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<tr>
<td>Final Exam</td>
<td>20%</td>
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</tbody>
</table>

Grading Scale:

- 89.5% - 100% “A”
- 79.5% - 89.4% “B”
- 69.5% - 79.4% “C”
- 59.5% - 69.4% “D”
- 0% - 59.4% “F”

☺ Instructor reserves the right to raise a grade based on improvement. ☺
**Exams**

- Quizzes can be announced or not. If a student is not present either the day that a take-home quiz is passed out, or the day that it is due, the student will not receive credit for that quiz, unless previous arrangements have been made with the instructor. **All take-home quizzes are to be done (on your own) independently; that is without help from anyone, including other classmates and tutors, unless otherwise directed by Mr. Everest.** Any form of non-directed group work on take-home quizzes will be treated as cheating, and will be dealt with appropriately.
- Five individual exams will be administered during the semester distributed between two-week to four-week intervals.
- Missing an exam, without previously informing Mr. Everest, may result in either your being dropped from the class, or your failing of the class. At the least, you will receive a zero on that exam. **If the missed exam is the first or second or third exam, you will automatically be dropped from the class, unless previous arrangements have been made with Mr. Everest.**
- **FINAL EXAM DATE:** Tuesday, May 15, 2007, 10:30 am – 12:30 pm

**Homework** is graded in a variety of ways that is to encourage you to complete assignments, including:

- Turning in previous day’s class assignment
- Spot check
- By packet on the day of a quiz or exam

See attached worksheet about specific homework guidelines.

**Supplies:**

Pencils/erasers (I suggest a well made mechanical pencil), Standard [4 Squares per inch] Quadrlle/Graph paper, isometric dot paper, regular dot paper, compass (one of the safety varieties are preferred), protractor, straightedge (ruler with English AND Metric Units), GSP (Geometers’ Sketchpad), stats project supplies, like poster boards, etc., and other supplies as needed (Mr. Everest will try to keep the price down for these, OK?…☺)

**Calculator:**

A **scientific calculator** with logarithmic and natural logarithm keys is **required.** These kind of calculators are affordable (in the $10-$20 range) and are available in almost all stores that sell electronic devices, and are characterized by having trigonometric function capabilities; that is, the “sin”, “cos”, and “tan” buttons. A graphing calculator (many versions/models available) is allowed and even encouraged, but the nested commands with in the graphing calculators cannot be used as your sole method for solving problems, unless you are directed to do so by Mr. Everest. You must be able to simplify & solve problems by “pencil and paper methods”, as modeled in class. Mr. Everest will be using the **TI-84 Plus** (from Texas Instruments, available at many stores that sell electronic devices, and costs around $100) with an overhead projector display unit, to model the analysis of statistics, probability, and geometry problems with the use of handheld technology.

**Behavior:** General school policies apply. **All work is to be completed individually,** unless otherwise directed by the instructor. Cheating consequences range from a zero on the assignment to an “F” in the class. All matters concerning student behaviors and disciplinary issues are subject to the outlined principles in the student handbook.

**General announcements:** **All work** (quizzes, tests, and homework) **should be done in pencil,** and should be ready to be turned in at the beginning of the class in which it is due. **All applicable steps (solutions/work) need to be shown. No late work will be accepted. All graphing needs to be done on graph paper.** All dates listed in the regular schedule apply. There will be “no record” shown, if you drop this class by the Friday of the 3rd week, (January 26, 2007). If this class is dropped on or before the Friday of the 9th week, (March 9, 2007), you will receive a “W” (withdrawal) on your transcript. After the 9-week deadline, the student will receive the applicable letter grade. **No food or drink are allowed in class.**