

Syllabus
Mathematics 169 / Mathematics for Elementary Teachers II (CRN #30416)
SPRING SEMESTER 2010 (16 weeks)
Instructor: Mr. Rob Everest

Class Location: MA 206, TuTh 1:05pm-3:10pm

Textbooks: *A Problem Solving Approach to Mathematics for Elementary School Teachers*,
9th (MML Bundled ed.) edition (Billstein, Libeskind & Lott)

Office Location: MA 214

Telephone: (626) 852-8054

Office Hours : MTuWTh 11:30am-12:30pm & TuTh 3:15pm-4:00pm

E-mail: reverest@citruscollege.edu

Websites:

**<http://www.citruscollege.edu/academics/courses/everest/Pages/default.aspx> &
<http://www.matheverest.com>**

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 two 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 eight-week drop date. If you accrue more than these three allowable absences (four or more) during the first eight 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; cell phones going off, 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 two points from your participation grade, and you will need to leave the room until allowed back in the classroom. A second deliberate distraction in the same class period will be met with dismissal from class for the entire day, which means a seven point participation grade deduction.

Grading:

Individual Tests 30%
Statistics Project 5%
Participation 10%

Homework 20%
Computer Work (MyMathLab.com/Excel/GSP) 10%
Final Exam 25%

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 (Tests/Quizzes):

- 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.
- Four 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, 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, June 8, 2010, 1:00 pm – 3:00 pm***

Homework:

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

Pay attention in class and take notes for specific homework guidelines.

MyMathLab.com Course (On-line Homework):

Students are required to do four on-line homework assignments for Chapters 8, 7, 9, and 11 per the following deadlines:

- Chapter 8 MyMathLab.com HW is due by 11:59pm on ***Wednesday, March 3, 2010*** .
- Chapter 7 MyMathLab.com HW is due by 11:59pm on ***Wednesday, March 24, 2010*** .
- Chapter 9 MyMathLab.com HW is due by 11:59pm on ***Wednesday, April 21, 2010*** .
- Chapter 11 MyMathLab.com HW is due by 11:59pm on ***Sunday, June 6, 2010*** .

Mr. Everest will go through the registration process and how MyMathLab.com works in class. A student resource flyer for MyMathLab.com is available through his Citrus based website at :

http://www.citruscollege.edu/academics/courses/everest/Documents/Math%20Help/MyMathLab_Student_Registration_Spring2010-Math169.pdf ... It might be easier to navigate to this webpage through

clicking links off Mr. Everest's Citrus based website at :

<http://www.citruscollege.edu/academics/courses/everest/Pages/default.aspx>

OR you can visit Pearson Education's help page for MyMathLab.com registration help @ :

http://help.pearsoncmg.com/portal/instr_help_support_bridge.html

Know that this **Spring 2010** semester's Math 169 MyMathLab.com course name is :

Spring 2010 Citrus MML 168/169 and the Course ID is : ***everest21507***

Supplies:

A Student Access Code for MyMathLab (MyMathLab.com), pencils/erasers (I suggest a well made mechanical pencil), Standard [4 Squares per inch] Quadrule/Graph paper, isometric dot paper, regular dot paper, compass (one of the safety varieties are preferred), protractor, straightedge (ruler with English AND Metric Units), 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 **Monday of the 4th week, (March 8, 2010)**. If this class is dropped on or before the **Saturday of the 8th week, (April 10, 2010** ... before the week of Spring Break), you will receive a “W” (withdrawal) on your transcript. After the “W” deadline, the student will receive the applicable letter grade. **No food or drink are allowed in class, except water in a closable container**.