

**Syllabus**  
**Mathematics 169 / Mathematics for Elementary Teachers II (CRN #30863)**  
**SPRING SEMESTER 2009 (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*,  
9<sup>th</sup> (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](mailto:reverest@citruscollege.edu)**

**Websites: <http://www.citruscollege.edu/reverest> & <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 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 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 2 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 the entire day, which means a 7 point participation grade deduction.

**Grading:**

Individual Tests 30%  
Homework 15%  
Participation 10%  
Final Exam 20%

Service Learning Project 10%  
Stats Project 5%  
Computer Work (MyMathLab.com/Excel/GSP) 10%

## 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 9, 2009, 1:00 pm – 3:00 pm***

## Service Learning Project:

As part of the arranged (ARRG) hours of this class, students will be required to complete a Service Learning Project, in coordination with the new Service Learning Coordinator, Sherrill Paulus [ Financial Aid Office (ED Building : 1<sup>st</sup> Floor by the Career & Transfer Center) / phone number : (626) 857-4163 / email at : [servicelearning@citruscollege.edu](mailto:servicelearning@citruscollege.edu) ].

- Sherrill Paulus will visit our class within the first three weeks of this semester, probably on ***March 3, 2009***, to explain the Service Learning project in greater detail.
- You will have until the Tuesday of Week 6 : ***Tuesday, March 24, 2009*** to work out with Sherrill Paulus , your specific master elementary math teacher assignment for this project.
- Essentially the project will consist of either (1) three local area elementary/middle school observation/volunteer sessions and one demonstration session, (2) four local area elementary/middle school observation/volunteer sessions, or (3) four 1.5 hour tutor sessions at Azusa's local Homework House. The preference is for option (1), but the other options are available for students with work hour conflicts, or where the master teacher does not want the prospective student teacher to demonstrate to their students.
- The exact assignment will be handled between you and Sherrill Paulus, and will be generated from a list of participating teachers drafted by Mr. Everest & Sherrill Paulus. Once you have your teacher and classroom you will do anything from observation, tutoring, jobs around the classroom, and possibly present a mini mathematics lesson. You will determine what you are to do in the classroom with your master teacher. Remember that if you have any questions about your project, please contact the Service Learning Coordinator, Sherrill Paulus at 626.857.4163 or [servicelearning@citruscollege.edu](mailto:servicelearning@citruscollege.edu) .

## **Service Learning Project (continued):**

- The Service Learning Project is intended to introduce the Math 169 student to experiences in the K-8 classroom, which will in turn assist them in their future student teaching assignment(s). Service Learning is a program that integrates community service with what you are learning in class. Through Service Learning, you have the opportunity to apply concepts from your coursework, explore possible career choices and earn valuable work experience. You will also gain an increased awareness of community needs and work to address those needs.
- The four sessions will need to be conducted per the following schedule :
  - Session # 1 needs to be completed by the end of Week 8 : **Thursday, April 9, 2009**
  - Session # 2 needs to be completed by the end of Week 10 : **Thursday, April 30, 2009**
  - Session # 3 needs to be completed by the end of Week 12 : **Thursday, May 14, 2009**
  - Session # 4 needs to be completed by the end of Week 14 : **Thursday, May 28, 2009**
- Timecards will be provided by Sherrill Paulus. You will need to have your master teacher sign it before you leave each session. You will also need to either show your timecard to Sherrill Paulus personally at her office by 5pm on the deadlines shown above, or you will need a staff member near her office make a copy of your timecard and have them then put the copy of the timecard on Sherrill Paulus' desk. No late timecards will be accepted.
- If a master teacher determines that the Math 169 student is tardy (a determination that is to be made by the master teacher, and is at their discretion), then the Math 169 student will receive a 60% for their grade for that session. If the Math 169 student is absent for or miss a substantial amount of the scheduled session (again this is the master teacher's discretion), then the Math 169 students will receive a 0% for their grade for that session. Otherwise the Math 169 student will receive a 100% for their grade for that session, as long as they do what is asked of them.

## **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 4, 2009** .
- Chapter 7 MyMathLab.com HW is due by 11:59pm on **Wednesday, March 25, 2009** .
- Chapter 9 MyMathLab.com HW is due by 11:59pm on **Sunday, April 12, 2009** .
- Chapter 11 MyMathLab.com HW is due by 11:59pm on **Sunday, June 7, 2009** .

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/Projects/454/NEW\\_MyMathLab.com\\_Reg\\_Info/MyMathLab\\_Student\\_Regist ration\\_Spring2009-Math169.pdf](http://www.citruscollege.edu/Projects/454/NEW_MyMathLab.com_Reg_Info/MyMathLab_Student_Regist ration_Spring2009-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/reverest>

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

<http://help.pearsoncmg.com/coursecompass/instr->

[help/cc\\_instructor\\_help\\_Left.htm#StartTopic=How\\_students\\_enroll.html|SkinName=frameset](http://help.pearsoncmg.com/coursecompass/instr-help/cc_instructor_help_Left.htm#StartTopic=How_students_enroll.html|SkinName=frameset)

## MyMathLab.com Course (On-line Homework) [Continued]:

Know that this [Spring 2009](#) semester's Math 169 MyMathLab.com course name is : [Spring 2009 Citrus MML 168/169](#) and the Course ID is : [everest45492](#)

### Supplies:

A Student Access Code for MyMathLab (MyMathLab.com), pencils/erasers (I suggest a well made mechanical pencil), Standard [4 Squares per inch] Quadriple/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 4<sup>th</sup> week, (March 9, 2009)**. If this class is dropped on or before the **Saturday of the 8<sup>th</sup> week, (April 11, 2009** ... 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.**