

"Teaching should be such that what is offered is perceived as a valuable gift and not as a hard duty" ~Albert Einstein

MESA COMMUNITY COLLEGE
Fall 2009

<u>Instructor:</u>	Sue Glascoe	<u>Course Title:</u>	Math for Elem. Teachers I
<u>Office:</u>	MC 179	<u>Course #:</u>	MAT 156
<u>Phone:</u>	480.461.7769 (If you REALLY want to reach me then e-mail me!!)	<u>Section #:</u>	25517 (9 - 9:50am) MWF 25519 (10 - 10:50am) MWF both meet in MS113
<u>Email:</u>	glascoe@mesacc.edu	<u>Office Hours:</u>	11-11:50am M - Th, Fri online at: http://tinyurl.com/sglascoevroom
<u>Web page:</u>	http://www.mesacc.edu/~glascoe <i>*You can access all course links from WebCT in MyMCC</i>		

Course Description:

This course is the first in a two-semester sequence designed for students who wish to become elementary teachers. The emphasis is partly on performance of the mathematical concepts taught in K - 8th, but **mostly** on understanding the theory behind elementary math (explaining **WHY**, not how), and then applying it in a service-learning experience. The main topics include addition, subtraction, multiplication, division, place value, fractions, decimals, and percents.

** Some assignments will require **internet access** and some assignment linkages have been created with Dr. Nora Reyes' EDU 291 (Children's Literature).*

Course Prerequisites:

A grade of **C** or **better** is required from MAT 150/151, **OR** MAT 142, **OR** a satisfactory score on the placement exam. You must be prepared to show proof of your prerequisite(s).

***Good command of the English language is necessary to do well in this course. There will be a considerable amount writing and explaining in this course. I strongly suggest waiting another semester if your English skills need work. You **WILL** be graded on your ability to explain problems and their solutions. Spelling and grammar **WILL** be graded throughout this course - if you want to teach others, you must be prepared yourself, first.*

Text: A Problem Solving Approach to MATHEMATICS for Elementary School Teachers, 10th Ed

By: Billstein, Libeskind, Lott *** You do NOT need to purchase the actual textbook because an electronic version is available within My Math Lab (Course Compass), which you **MUST** purchase.*

Other Materials:

- ◆ All students **must** obtain a FREE email account through the college by the end of the first week. I will email the class using the email system on campus when I need to reach all of you at once. Please check it on a regular basis. Email can be checked from the library. I will also post all test keys on the internet and email you the address when each becomes available.
- ◆ All students **must** obtain a Course Compass Account login (My Math Lab). Most of the homework assigned will be through the online system as well as some of the required assignments used for the Discussion Board. ** You do NOT need to purchase the textbook because My Math Lab contains an e-book version of the text.*

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- ◆ You **MUST** have access to the internet for at least 2 hours per day. If you do not have internet access at home, then you must make plans to spend that time in the library to access My Math Lab (Course Compass) and also WebCT for the weekly Discussion Board posts.
- ◆ All tests are to be taken in **pencil**.
- ◆ Scientific calculator (does NOT have to be graphing, but you may use one if that is what you have)
- ◆ A **paper** folder with pockets (with the 3 clasps down the center) for your Service Learning Journal. Typing the journal is expected (no plastic page covers, please!). Since I will be making comments on this, please double-triple space to leave room for my comments.
- ◆ I *highly suggest* purchasing a (large) 3 ring binder. There will be a lot of handouts for this class and it would be a great way to keep everything organized. You might want to leave this binder at home, and bring a smaller one to class every day. Possibly scissors, a stapler and tape would be handy, too ☺

Attendance:

You are expected to be in attendance for every session of class. A roll sheet will be passed around and you are responsible for signing it every day. **YOU CAN BE DROPPED FOR NONATTENDANCE AFTER THE FOURTH (4TH) ABSENCE.** The only excused absences in the Student Handbook are for school related functions, a death in the family, or jury duty. *Medical absences are NOT excused according to the student handbook - your Final Exam will count as your make-up test (do not ask to make up the test).* Please make every effort possible to be on time for class, and do not plan to leave class early - excessive tardiness will be counted as a class disruption, and will be treated accordingly (see: Class Disturbances). I reserve the right to initiate a tardy policy for individual students. If you wish to drop the class at any time, it is your responsibility to take the necessary actions. Any student wishing to drop this class after Oct 9th, must have my signature on the drop form and will receive a grade of Y if they are failing (below 60%). The instructor reserves the right not to drop a student after Dec 4th. I will NOT allow anyone to drop during Final's week.

Homework: 100 points (10%)

You are encouraged to read and take notes on the material *before* it is discussed in class. All homework assignments will be done ONLINE through My Math Lab (Course Compass). Sometimes they will relate to the lecture that day, and sometimes their purpose will be to give you new information. I sincerely hope that you will attempt to do every problem that is assigned - you can re-do individual problems until you get them correct - up until the morning of the test. Each test will contain several questions very similar to the homework problems! **PLEASE use my office hours if you need extra help on the homework- don't fall behind!**

Course Compass:

Course Name: MAT156 F09 9am	Course Name: MAT156 F09 10am
Course ID: glascoe78523	Course ID: glascoe34969

Other Assignments/Activities: 0 points (0%)

During the course of the semester, there will be several in-class and take-home enrichment activities that will not be graded, but test questions **can** be based on these problems, as well (the BLUE sheets).

Discussion board : 50 pts (5%)

- Each week you must post a response to the ONLINE discussion board inside WebCT (go to MyMCC to access WebCT) based on the instructor's question or instructions that week.
- Each week you must also reply to at least one other post written by a peer that week.

Projects: 150 points (15%) (plus 30 possible extra credit points - the ONLY extra credit available)

There will be five projects to be done for this course. I will discuss each project as it comes up.

The reading project and the Extra credit both have links with Dr. Nora Reyes' EDU 291 course - Children's Literature.

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Service-Learning Requirement: 100 pts (10%)

You will be required to participate in 15 hours of Service-Learning experience. Most of your time must be served inside a **MATH** classroom (or a math-based learning experience, like tutoring). **The purpose of this is for you to be able to make immediate connections between what you are taught in this class, and what you will be doing in your own elementary classroom.** The best way to do your 15 hours is to get a school as quickly as possible, and then go for one hour each week into your assigned classroom to observe any connections you can find to this course. A little observation each week, over a longer period of time will be more effective than waiting until the end and getting all 15 hours at once. Therefore, to encourage this, you will be required turn in your Placement Confirmation Form **NO LATER THAN Friday, September 25th**, so you can begin your school assignment. Two points will be deducted for each day after Sept 25th that it is late. Further details of your Service-Learning requirement will be given the first day. *See "Service-Learning" handout for details.

- **Service-Learning Paperwork: 30 points**
See "Service-Learning" handout for details
- **Service Learning Journal: 70 pts**
See "Service Learning Journal" handout for details

Exams: 100 pts each (total 40% of grade)

There will be four tests given during class time. Each will be worth 100 points. NO notes or books, etc... can be used on tests. You are expected to take all tests at the scheduled time. **LATE TESTS WILL NOT BE GIVEN FOR ANY REASON!** (Your final exam will also count for ONE missed test.) You may arrange to take a test early, if you know ahead that you will be absent. Calculators may be used on exams, but you must show your work in this class! I will expect to see all steps, as you would show on a board to your own class of students.

The Final Exam: 200 points (20%)

The final exam will be **Monday, Dec 14th, from 9 - 10:50am** for the 9am class, and **Wednesday, Dec 16th, from 10 - 11:50am** for the 10am class. It will cover all of the material from the course (cumulative). The final exam will be worth 200 pts (20% of your class grade). You are expected to take the final exam on the day and time your class is taking it. If you are enrolled at the time of the final exam, but do not take it, you will be assigned a grade of zero. If you have not missed any tests, your final exam score can **ALSO** be used to replace your lowest test score, as long as your lowest test score is **ABOVE 50%**. No other score can be dropped.

Grading:

4 Tests (100 each)	400 pts		A: 89.5%- 100%
5 Projects (30 each)	150 pts	(+ 30 pts extra credit)	B: 79.5% - 89.4%
OL Discussion Board	50 pts	(OL = ONLINE)	C: 69.5% - 79.4%
Service Learning	100 pts		D: 59.5% - 69.4%
OL Homework	<u>100 pts</u>		F: 59.4% and below
Prefinal grade:	800 pts	80% of total grade	
			W: withdraw passing
Final exam:	200 pts	20% of total grade	Y: withdraw failing <i>after Oct 9th</i>
Total Grade:	1000 pts		

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Class Disturbances:

Students must realize that everyone in the class is paying for the opportunity to learn as much as possible without any classroom distractions. Any conduct which inhibits an instructor or another student in the class will be dealt with as prescribed in the Student Handbook. This includes expulsion for one class period, intervention by the appropriate department administrator, intervention by a dean, and administrative withdrawal from the course. *Pagers and cellular phones must be off or in silent mode during class.*

Cheating:

Any student caught cheating in this course will immediately receive a zero on the assignment (test, etc..) and will be required to have a meeting with the Department Chair (and possibly the appropriate Dean) before being able to attend the class again. Cheating may result in expulsion from the course and possibly from the college. (I had to add this after a student - who wanted to be a teacher - was caught cheating!!)

Assistance:

Students are encouraged to seek my help or get help from one another. There are also tutors available in the Math Tutoring Center (MS building). My advice is to form study groups right away. The best way to learn is to help someone else!! There is a lot of help available within My Math Lab, along with the animated tutorials on my website that I created specifically for this course. I will be posting test keys on the web and sending you the address through your MCC email accounts.

***The animated tutorials that I created for this course can be accessed on my website at:

<http://www.mesacc.edu/~glascoe> (go to MAT 156 then go to test topics and click blue links) **You will need to evaluate some of them for discussion posts - You MUST have computer access for this course.**

MCC Early Alert Program (EARS)

Mesa Community College is committed to the success of all our students. Numerous campus support services are available throughout your academic journey to assist you in achieving your educational goals. MCC has adopted an Early Alert Referral System (EARS) as part of a student success initiative to aid students in their educational pursuits. Faculty and Staff participate by alerting and referring students to campus services for added support. Students may receive a follow up call from various campus services as a result of being referred to EARS. Students are encouraged to participate, but these services are optional.

Early Alert Web Page with Campus Resource Information can be located at:

<http://www.mesacc.edu/students/ears>

or at the "Early Alert" selection at the mymcc link from MCC's home page.

****If you have any disabilities which may hinder your learning the material presented in this class, please contact **Disability and Resource Services (DRS)** and complete the appropriate forms as soon as possible. Everything reasonably possible will be done to help you be successful in this class.*

****This syllabus is subject to change. Changes will be announced in class and on WebCT.****

I have read the syllabus, I understand what is expected of me in this course, and I agree to follow the policies stated. I acknowledge I am here to learn and I will be respectful at all times during this course, which includes coming to class on time and not leaving early. I also understand I can be dropped for missing more than 3 class sessions.

I realize I must purchase My Math Lab (Course Compass) and have access to a computer with internet AND take an active part in my education by performing 15 hours of service learning in an elementary classroom, doing the homework, participating in the online discussion board, studying for tests, and getting help when I do not understand the material, in order to pass this course.

Printed Name

Signature

Date

***Please tear this off and hand it to the instructor before the end of the first week of classes.**