Math 350.07W
COURSE SYLLABUS: Fall 2012

Instructors: Dr. Brenda Reed
Office Location: WCB 110(on the Navarro College campus)
Office Hours: MW 8 – 10
TTh 9:30 – 12:30
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COURSE INFORMATION

Materials – Textbooks, Readings, Supplementary Readings:

You will be required to have an access code for My Math Lab. The course ID needed to register in the My Math Lab program is **reed59495**

Course Description: This course is designed for students planning on teaching EC – 8.

Student Learning Outcomes:
1. understand numbers, ways of representing numbers, relationships among numbers and number systems,
2. understand meanings of operations and how they relate to one another,
3. compute fluently and reasonable estimates
4. understand patterns, relations and functions
5. represent and analyze mathematical situations and structures using algebraic symbols
6. use mathematical models to represent and understand quantitative relationships
7. analyze change in various contexts

The goal of this course is to develop *understanding* of the mathematics. We are constantly going to be dealing with *WHY* more than *HOW*. As a future teacher you must be able to *explain* mathematics to your students, not just show them how to carry out mathematical procedures. We will focus on underlying structures and development of ideas. In addition, problem solving is a major component of this course. As a future mathematics teacher, you need to become familiar with and skilled in various types of problem solving techniques that are commonly used in mathematical thinking.
COURSE REQUIREMENTS

Grading:
Will be based on a midterm exam, homework and a final exam. In order to successfully mathematically prepare today’s children for the technological world they face, a school teacher must have a solid understanding of a broad spectrum of mathematics, including mathematics at a level considerably beyond the grade he/she teaches.

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<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Homework</td>
<td>40%</td>
</tr>
<tr>
<td>Midterm</td>
<td>30%</td>
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<tr>
<td>Final</td>
<td>30%</td>
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Make-ups: Make up exams will only be given in the event of an extreme, documented emergency.

Attendance:
It is the prerogative of the instructor to drop students from courses in which they have accrued excessive absences (three or more). However, a student wishing to drop the course should do so. Failure to do so may result in a failing grade. Missing a homework due date counts as an absence.

TECHNOLOGY REQUIREMENTS

This is an essentially an online course. Late work is not accepted.
Internet access (high-speed preferred)
Word processing software (Microsoft Word preferred)

As a student enrolled at Texas A&M University-Commerce, you have access to an email account via myLeo - all my emails sent from eCollege (and all other university emails) will go to this account, so please be sure to check it regularly. Conversely, you are to email me via the eCollege email system or your myLeo email as our spam filters will catch yahoo, hotmail, etc.

ACCESS AND NAVIGATION

This course will be utilizing eCollege to enhance the learning experience, eCollege is the Learning Management System used by Texas A&M University-Commerce. To get started with the course, go to: https://leo.tamu-commerce.edu/login.aspx.

You will need your CWID and password to log in to the course. If you do not know your CWID or have forgotten your password, contact Technology Services at 903.468.6000.

COMMUNICATION AND SUPPORT

Interaction with Instructor Statement: Email is the preferred method of communication.

Texas A&M University-Commerce provides students technical support in the use of eCollege. The student help desk may be reached by the following means 24 hours a day, seven days a week. If you
experience issues while taking your exams or at any other point, feel free to contact the support desk.  
**Phone:** 1-866-656-5511 (Toll Free) to speak with eCollege Technical Support Representative.  
**Email:** helpdesk@online.tamuc.org to initiate a support request with eCollege Technical Support Representative.  
**Help:** Click on the 'Help' button on the toolbar for information regarding working with eCollege

<table>
<thead>
<tr>
<th>COURSE AND UNIVERSITY PROCEDURES/POLICIES</th>
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<tbody>
<tr>
<td><strong>Course Specific Procedures:</strong></td>
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<tr>
<td>You will be given homework that will be due approximately two to three times a week online. In addition, your exams will be administered in a face-to-face environment. The times are listed below. <strong>If you can not make these times, you will need to drop this course.</strong></td>
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<tr>
<td><strong>Midterm:</strong></td>
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<td><strong>Final Exam:</strong></td>
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**Academic Honesty Policy**

Texas A&M University-Commerce does not tolerate **plagiarism** and other forms of academic dishonesty. Conduct that violates generally accepted standards of academic honesty is defined as academic dishonesty. "Academic dishonesty" includes, but is not limited to, plagiarism (the appropriation or stealing of the ideas or words of another and passing them off as one's own), cheating on exams or other course assignments, collusion (the unauthorized collaboration with others in preparing course assignments), and abuse (destruction, defacing, or removal) of resource material.

Disciplinary action for these offenses may include any combination of the following:

1. Point deduction on an assignment.  
2. Failure for an assignment.  
3. A grade of zero for an assignment.  
4. Failure for the course.  
5. Referral to the Academic Integrity Committee or department head for further action.  
6. Referral to the Dean of the College of Education and Human Services, Business and Technology, Arts and Sciences, or Graduate School as appropriate.  
7. Referral to the University Discipline Committee.  
8. Communication of student's behavior to the Teacher Certification Office and/or Dean of the College of Education as constituting a reason to bar student from entering into or continuing in a teacher certification program. Procedures, A 13.04, 13.12, 13.31, and 13.32

**ADA Statement**

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:
### Disclaimer:

The instructor reserves the right to make changes to the schedule of the class. Any alterations will be announced by the instructor in class, on ecollege, or via email. Students who do not attend class, log into ecollege, or check their email assume full responsibility for missing changes to the course.

### COURSE OUTLINE / CALENDAR

#### Math 350 Fall 2012 Schedule

<table>
<thead>
<tr>
<th>Date Range</th>
<th>Tasks</th>
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| 8/27 – 9/4 | Complete Orientation Homework on MML  
Complete Assignment titled Chapter 1 (MA) on MML – this is a PowerPoint covering section 1.1 material  
Complete Homework Chapter one on MML  
***If you need extra assistance for this week’s assignment, there are problem solving videos located on Blackboard that you can view. You can also go under Study Plan in MML and view practice problems, notes, etc… |
| 9/5 – 9/14 | View all podcasts on Blackboard that cover different base systems  
Read section 2.1 in your text or online  
Complete Different Base Systems (MA), Chapter 2 Section 1, and Adding and Subtracting in Different Base Systems  
***If you need extra assistance for this week’s assignments, you can go under Study Plan in MML and view practice problems, notes, etc… |
| 9/15 – 9/24 | Read the remainder of chapter 2 in your textbook or online  
View all podcasts on Blackboard that cover Venn diagrams word problems  
Complete the assignment Chapter 2 Manipulative – Venn Diagrams (MA) in MML  
Complete the assignment titled Homework Chapter 2 Sections 2 and 3 on MML  
***If you need extra assistance for this week’s assignment, you can go under Study Plan in MML and view practice problems, notes, etc… |
| 9/25 – 10/1 | Complete the Properties of Numbers Homework in MML |
| 10/2 – 10/8 | Complete Divisibility Rules (MA) and Chapter 4 Section 1 in MML |
| 10/9 – 10/14 | Work on midterm exam review (this is a grade!)  
This would also be a great time to get ahead in the course! |
| 10/15 – 10/19 | **Take midterm exam at a testing center. Remember that you cannot use notes or a calculator.** |
10/20 – 10/29  View all podcasts on the five step problem on Blackboard
Complete the following homework problems and either scan, email, or fax them to me.
My fax number is 903-875-7523
Complete all five steps with the following patterns: (step 1 is draw the next two elements,
step 2 is write a word problem, step 3 is create a numerical table, step 4 is create a graph, and
step 5 is find the algebraic equation)

Pattern 1.

Pattern 2

10/30 – 11/5  Complete Prime and Composite (MA) and section 4.2 in MML
***If you need extra assistance for this weeks assignment, you can go under Study Plan in MML and view
practice problems, notes, etc…

11/6 – 11/12  Complete Section 4.3 GCD and LCM in MML
***If you need extra assistance for this weeks assignment, you can go under Study Plan in MML and view
practice problems, notes, etc…

11/13 – 11/19  View all podcasts on Blackboard that cover chips and number lines with integers
Complete the assignment on MML titled Chapter 5 Manipulatives on Integers (MA)
Complete the following problems.  Make sure to illustrate them all with a number line
and with the chip model.  If you cannot model a problem, say that, but be sure to give
the answer.  $3 + 4$, $-1 + -4$, $3 + -5$, $-2 + 7$, $3 - 4$, $-1 - (-4)$, $3 - (-5)$, $-2 - 7$, $2 * 3$, $3 * -2$,
$-3 * 5$, $8 / 4$, $6 / -2$, $-10 / 5$
You can either scan, email or fax these to me.  The fax number is 903-875-7523.

11/20 – 11/26  Complete Chapter 6 Sections 1 and 2 (MA) in MML
Complete Homework Chapter 6 Sections 1 and 2 in MML
***If you need extra assistance for this weeks assignment, you can go under Study Plan in MML and view
practice problems, notes, etc…

11/27 – 12/3  Complete Chapter 6 Section 3 (MA) in MML
Complete Chapter 6 Homework 3 in MML
***If you need extra assistance for this weeks assignment, you can go under Study Plan in MML and view
practice problems, notes, etc…

12/4 – 12/9  Complete the final exam review in MML (this is a grade!) In addition to this review, make
sure to review the five step problem and the chips model and number lines since these topics
will be on your final exam.

12/5 – 12/10  Take final exam at a testing center. Remember that you cannot use notes or a
calculator. Make sure you complete the review before you take your exam.
The final exam will be given on Thursday, July 5th from 4 – 6 pm. at the Corsciana campus of TAMU-C. The specific room will be announced at a later date.

Welcome Students! MathXL is an interactive website where you can:
- Study more efficiently with a personalized study plan and exercises that match your book.
- Get help when YOU need it. MathXL includes multimedia learning aids, like videos and animations.

Before You Begin:
To register for MathXL you will need:

- A MathXL student access code (packaged with your new text, standalone at your bookstore, or available for purchase with a major credit card at www.mathxl.com)
  Your school’s zip code: __75110_________
  You will pick Navarro for your school (not TAMU-Commerce)
- A valid email address

In addition, your instructor may provide you with a Course ID to “enroll:”

- “Course ID”: XL0w-718J-701Y-7MZ2
Student Registration:

- Go to [http://www.mathxl.com](http://www.mathxl.com) and click the **Register** button under “First Time User?” If you need to purchase access, click “Buy Now” and follow those screen to buy access and register.
- Read the License Agreement and Privacy Policy and click “I Accept.”
- On the Access Information Screen, you’ll be asked whether you already have a Pearson Education Account. Click:
  - “**YES**” if you have registered for other Pearson online products and already have a login name and password. Boxes will appear for you to enter your existing login information.
  - “**NO**” if this is the first time you have registered for a Pearson online product. Boxes will appear for you to create your login name and password.
  - “**NOT SURE**” if you want to check for a pre-existing account and receive an email with your login name and password.
- Type in your **Access Code** in the fields provided (one “word” per field) and click **Next**.
- Simply follow the registration screens and enter your information as prompted. You will enter your name, email address, school information and provide a security question/answer to ensure the privacy of your account.

Once your registration is complete, you will see a **Confirmation** screen (this information will also be emailed to you). Now that you have registered, click **Log In** button to continue to enroll in your instructor’s course gradebook.

Logging In:

- Go to [www.mathxl.com](http://www.mathxl.com), enter the login name and password you just created, and click **Log In**.
- Click the **Enter MathXL** button.
- The first time you log in to MathXL, you have the option of either enrolling in your instructor’s course or studying on your own:
  - *If your instructor has set up a course for you*, select ”**I am taking a course that is using MathXL and need to enroll in my instructor’s course**” and then enter your Course ID in the fields provided.
  - *If your instructor has not set up a course*, select ”**I am studying on my own**” and then choose your textbook by browsing all available titles or searching by Author. NOTE: You will always have the option to “Enroll in a new course” in case you receive the Course ID from your instructor later.
- Click the **Enroll** button.
- Run the Browser Check or Installation Wizard to install any plug-ins or players your computer needs to run MathXL. After completing the installation process, and close the wizard you will be on your course home page!

**Need help?**

**Contact Product Support** at [http://mxlmkt.pearsoncmg.com/student-support](http://mxlmkt.pearsoncmg.com/student-support) for live CHAT, email or phone support.

If at any time you forget your login name or password, go to [www.mathxl.com](http://www.mathxl.com) and click “Forgot login name/password” to have it emailed to you.