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MA 201-002
Fall 2008

Mathematics for Elementary Teachers

Syllabus

Instructor & Course Information

	MA 201 section 002
Class Meeting	Tuesday & Thursday 9:30 – 10:45am CB 343
Instructor	Amy Green
Office	718 Patterson Office Tower
Mailbox	715 Patterson Office Tower
E-mail	mrs.amy.green@gmail.com
Phone	(859) 257-6808
Office Hours	MWF 8-10am and by appointment.

- If you ever have any questions about what you are responsible for, it is your responsibility to contact me and I will be more than willing to help you.
- Remember, you earn your grade for this class; I do not *give* out any grades. Therefore, I expect everyone to try and do his or her best.

Purpose of the Course

This course is to deepen the content understanding of mathematics that is needed for teaching elementary or middle school mathematics and to do so in a way that emphasizes the national and Kentucky principles and standards for school mathematics. There will be student interactions during class and inquiry based learning will be used. Examples coming from actual K-6 student work will be included.

Prerequisites

MA 109 or equivalent.

Text

Mathematical Reasoning for Elementary Teachers, by Long, DeTemple and Millman, fifth edition. (This is also the text for MA 202 next semester.)

Note: you will need the 5th edition --- the homework problems are very different from previous editions.

Coverage of the Text

The first 7 chapters of the book will be covered. We will start with Chapter 2 and then move onto Chapter 1, Chapter 3 – 7. We will omit sections 3.6, 4.4.

Grading Policy

- There will be three in-class exams, a final, and an oral presentation.
- Homework will be assigned throughout the semester (most likely a daily basis). Homework must be handed in at the beginning of class on the day it is due. I will not accept homework after I collect it. It will be collected and a grade assigned on each based on a section of the homework problems assigned.
- Homework can earn a possible 10 points.
 - 5 points for full completion of all the assigned problems
 - 1 point for neatness of assignment (stapled, name, date, assignment)
 - 4 points for correct answers on 2 to 3 randomly selected problems
- You may work together on homework...*but* it must be your *own* work that you hand in. (I will look for identical papers.)
- NOTE: Late work will not be accepted, unless you have a University excuse.
- Should a student miss an exam, notifying the instructor as soon as possible (preferably before the exam). If you miss an exam with an excused absence, you must take in within one week of the date of the original exam.
- The final grade will be computed as follow:

Homework	15%
Attendance	5%
Presentation	15%
Exam I	15%
Exam II	15%
Exam III	15%
Final Exam	20%
Total Grade	100%

- The exam schedule, which is approximate, is
 - Exam I: Week of September 15-19
 - Exam II: Week of October 13-17
 - Exam III: Week of November 10-14
 - Final Exam: Week of December 15-19
- A detailed description of the presentation project will be given three weeks before it is due. Attendance is absolutely mandatory during the group presentations.
- Please note the exams will be given in class.

**Question #1 (on Exam I): What are the Principles and Standards of the NCTM?
Hint: ECTLAT and 5 + 5**

Attendance Policy

Math is not a spectator sport!

Attendance is not only mandatory but quite useful to your success in this course.

Attendance grade:

Full 5%	0-1 unexcused absences & participation
3%	2 unexcused absence or slight participation
0%	3 or more unexcused absences

Note: After two unexcused absences, with every unexcused absence thereafter the final grade will be dropped a letter grade.

Detailed explanations of acceptable absences are available at <http://ukcc.uky.edu/~senate/serv.script> In summary, acceptable reasons for missing class are listed below.

- Student Illness: The student must notify the instructor within a week (seven calendar days) after the period of illness; verification may be required by the instructor. [USR: V-2.4.2.1]. Written verification is required for this class.
- Serious Illness or Death of a member of the Student's immediate family: The student must notify the instructor within a week (seven calendar days) after the funeral or period of illness; verification may be required by the instructor. [USR: V-2.4.2.1 and V-2.4.2.] Written verification is required for this class.
- Official University Trips: Notice must be given to the instructor prior to the event, if feasible, and if not no later than one week (seven calendar days) after the event. [USR: V-2.4.2.3.] Written verification is required.
- Major Religious Holiday: The student must notify the instructor in writing of anticipated absences due to their observance of such holidays no later than the last day for adding the class in the given semester. [USR: V-2.4.2.4.]

Academic Integrity, Cheating and Plagiarism:

Cheating *will not* be tolerated. If you would like to be aware of the specifics that constitute cheating please check the University Handbook. The **minimum** penalty for cheating is an automatic E which cannot be removed from your transcript or replaced with a new grade should you attempt to retake the course. **Note:** I am encouraging all students to work together on homework whether the individual or common versions, so this will **NOT** constitute cheating. If you have a problem with your homework please get the necessary help needed to do well and understand the material. However, working together on quizzes or exams **WILL** most definitely be seen as cheating.

- Detailed information can be found at <http://www.uky.edu/Ombud>.