Mathematics 202 Sec: 001, 002
Mathematics for Elementary Teachers
Spring 2009

Syllabus

Instructor: Elizabeth Weaver
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Office hours: Tues/Thurs: 11:00-12:30 and by appointment
Website: http://www.ms.uky.edu/~eweaver
Meeting times: Sec: 001 TR 8:00 – 9:15, CB 345
Sec: 002 TR 9:30 – 10:45, CB 343

Text: Mathematical Reasoning, 5th edition by: Long, DeTemple, & Millman
Students are expected to read sections in the text as they are covered in class. Ideally students will critically read the material both before and after it is covered in lecture. We will cover the following chapters of the text: 8, 9, 10, 11, 12, and 13.

Prerequisites: Grade of C or better in MA201.

Course Description: MA 202 is the continuation of MA201 and is designed to clarify and deepen the conceptual content of mathematics needed for an elementary school teacher as dictated by the national and Kentucky standards and principles for school mathematics. We will concentrate on the 'why' more often than the 'how' and develop connections between concepts and real examples. Many of these examples will come from actual K-6 students. Group work is encouraged throughout the course (tests excluded).

Homework: Homework will be assigned and posted on the website almost every Tuesday and collected at the beginning of class on the following Tuesday. Deductions will be made on late homework assignments, and no credit will be given for assignments that are 2 or more class periods late.
All homework assignments will be out of 10 points, with 4 points granted for completing every problem and the remaining 6 points granted for correctness on selected problems. These previously selected problems to be graded will remain unknown to the class until the homework is handed back. Homework should include all relevant work and be neatly written up using sentences where necessary. Make sure that your work is organized, neatly presented, stapled, and free of any jagged edges (i.e. edges created by tearing paper from a notebook). Failure to submit neat work may result in deductions. I encourage you work in groups but be sure to write up your own solution to each problem. Do not just copy what someone else has written down.

Presentation: Part of this class involves giving a presentation to the class. You will be working and presenting in groups, and grades will be assigned based on your group's presentation and on your assessment of a classmate's presentation performance in another group. Group assignments and a detailed description will be distributed later in the semester. Attendance is required during all presentations.

Exams: All exams will be closed book and closed notebook unless otherwise specified. Calculators will not be allowed on any of the exams. Makeup exams will only be administered in the presence of a university excused absence. If you know you are going to miss an exam for a university excused reason, you must let me know a week prior to the test, this way we can set up a make up exam date that is both fair and reasonable. The final exam will be comprehensive and must be taken at the designated time by the university. The dates and material to be covered are as follows (these details are subject to change):

Exam 1: Thursday, February 5: Chapters 8 and 9
Exam 2: Tuesday, March 10: Chapters 10 and 11
Exam 3: Thursday, April 16: Chapters 12 and 13
Final Exam: 001: Thursday, May 7, 8 am-10 am: cumulative
002: Friday, May 8, 10:30 am -12:30 pm

Grading: We will be using a standard 10-point scale 90-100% for an A, 80-89% for a B, etc. Your grade will be based on the following components:

Exam 1:	15%
Exam 2:	15%
Exam 3:	15%
Final Exam:	30%
Presentation:	15%
Homework:	10%

Academic Integrity: The minimum penalty for cheating is a grade of 0 on the assignment. While working together is helpful in the learning process, directly copying answers from another student is considered cheating.

Tentative Schedule and Important Dates:

Jan. 15 - 22: Chapter 8
Jan. 27 - Feb. 3: Chapter 9
Feb. 4: Last day to drop a class without a grade
Feb. 5: Exam 1
Feb. 10 - 24: Chapter 10
Feb. 26 - Mar. 5: Chapter 11
Mar. 10: Exam 2
Mar. 16 - 20: Spring Break
Mar. 12 - Apr. 2: Chapter 12
Apr. 3: Last day to withdraw from a class
Apr. 7 - 14: Chapter 13
Apr. 16: Exam 3
Apr. 21 - 30: Presentations
May 7: Final Exam

Final Thoughts: I encourage you email me and meet with me when you have questions and concerns. I am here to help you and I welcome any feedback you may have for me. If you are struggling with the course, please come and talk to me as soon as possible. Be sure not to put this off until the end of the semester, as it is often too late to change the outcome of your grade by then. I also encourage you to use the resources on campus, such as the Mathskeller, and work in groups outside of class. Just make sure that the ideas of the course are understood by every individual in the group, as they are important for the exams.

Good luck and have a great semester!