

Math 1141: Mathematics for Elementary Education
Fall 2009

Professor: Dr. Carmen Latterell
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E-mail: clattere@d.umn.edu
My Office Hours: MWF 10:00—11:00, 12:00-1:00
And by appointment
Class Times: MWF 9:00—9:50 in SCtr 120
Recitation on T in various rooms.
Lab on Th in MonH 209
Course Web Page: <http://www.d.umn.edu/~clattere>
Email Alias: math1141-1-f2009 (includes all students and me)

Text: *Activities Manual Mathematics for Elementary Teachers, Second Ed.*, by Beckmann.

Course Structure: This course consists of lectures (MWF), recitations (T), and labs (Th) emphasizing subject matter for effective teaching at the elementary school level, including problem solving strategies, sets, functions, logic, structure of number systems, integers and number theory, rational numbers as fractions, exponents, decimals, algebraic thinking, word problems, probability, statistics, and properties of geometric figures. Recitations will be a time for students to ask questions, and also quizzes will sometimes be given. Labs will compliment lectures providing hands-on experience with manipulatives, Logo, Geometer's Sketchpad, and mathematics applications.

Graduate Teaching Assistant: A candidate for a master's in mathematics will run the recitations and computer labs. This GTA is knowledgeable in mathematics and will be prepared to facilitate T Th class periods.

Grading: Grades will be based on accumulated point totals from three one-hour exams, one two-hour exam (the final), quizzes and labs. Each exam (including the final) counts as 1/5 of the lettergrade, and the quizzes and labs together count as the remaining 1/5. Grades will be based on percentages: 93-100 A, 90-92 A-, 88-89 B+, 83-87 B, 80-82 B-, 78-79 C+, 73-77 C, 70-72 C-, 68-69 D+, 60-67 D.

Homework: Homework is assigned but not collected. Obviously, students ought to do the homework in order to achieve on the tests.

Final Exam: There is a cumulative exam (the two-hour exam mentioned under grading). It will be given on Friday, December 18 from 4:00-5:55 PM. Other than for university approved reasons, students must take the final at the time it is schedule. No exceptions are made for any reason other than emergencies. Family vacations with airline flights that leave before the final do not count as an emergency.

Exceptions: Excuses are rarely accepted. Ultimately, exceptions are unfair to other students and to me. Therefore, it is better if I do not make any. Please let me know immediately if there is an emergency. Failure to do so will result in a score of 0 on any missed exam. Make-ups on labs and quizzes are not allowed. The lowest quiz and lab score will be dropped.

Special Consideration: Students who may need special consideration because of any sort of disability should make an appointment to see me as soon as possible at the beginning of the semester.

Student Academic Integrity Policy: Academic dishonesty tarnishes UMD's reputation and discredits the accomplishments of students. UMD is committed to providing students every possible opportunity to grow in mind and spirit. This pledge can only be redeemed in an environment of trust, honesty, and fairness. As a result, academic dishonesty is regarded as a serious offense by all members of the academic community. In keeping with this ideal, this course will adhere to UMD's Student Academic Integrity Policy, which can be found at www.d.umn.edu/assl/conduct/integrity. This policy sanctions students engaging in academic dishonesty with penalties up to and including expulsion from the university for repeat offenders.

Student Conduct Code: The instructor will enforce and students are expected to follow the University's Student Conduct Code (<http://www.d.umn.edu/assl/conduct/code>). Appropriate classroom conduct promotes an environment of academic achievement and integrity. Disruptive classroom behavior that substantially or repeatedly interrupts either the instructor's ability to teach, or student learning, is prohibited. Disruptive behavior includes inappropriate use of technology in the classroom. Examples include ringing cell phones, text-messaging, watching videos, playing computer games, doing email, or surfing the Internet on your computer instead of note-taking or other instructor-sanctioned activities.