

**Central Connecticut State University**  
**Department of Mathematical Sciences**  
**Math 213 Probability and Geometry**  
**Fall 2010**  
**Mrs. Page**

**Prerequisite:** Math 113, C- or higher.

**Students for Whom Course Is Intended:** Students planning to be certified in Early Childhood, Elementary, or Special Education.

**Section:** Math 213 meets TR 11:00-12:55 (section 02) in MS 216.

**Instructor:** Lynn D. Page

**E-Mail:** Lynnd.Page@yahoo.com

**Phones:** Home 860-667-1835 (8:30am - 9pm)

**Office:** MS 219

**Mailbox:** MS 211

**Office Hours:** Tuesday and Thursday 12:15-1:15 and by appointment.

**Course Description:** Second course of a two-course sequence (Math 113/213). Topics covered include: Probability and Statistics, Geometry as Shape, Geometry as Transforming Shapes, and Geometry as Measurement.

**Textbook:** Mathematics for Elementary Teachers: Bassarear, 4<sup>th</sup> Edition. (Boston, New York: Houghton Mifflin, 2008)

Mathematics for Elementary Teachers (Explorations): Bassarear, 4<sup>th</sup> Edition. (Boston, New York: Houghton Mifflin, 2008)

\*NCTM web site: <http://www.nctm.org>

**Calculator Use:** It is recommended that students use a TI-83 calculator or a Texas Instruments= AMath Explorer@ calculator.

**Course Requirements:** Attend and participate in class regularly, complete homework assignments, take quizzes and tests, as scheduled. Complete all projects on time. A general rule for any college course is that you are expected to put in at least 2 hours of work outside of class for every hour in class. For Math 213, the expectation is at least 6 hours per week outside of class.

**Attendance Policy:** If you have more than three unexcused absences your class work and participation grade average will be dropped 2 point per absence.

**Class Procedure:** Classes meet for one hour and fifteen minutes. We will spend a few minutes going over homework assignments, lecture on new material and sometimes we will have a quiz. There will be at least 3 quizzes during the semester. Evaluation: Your grade for the course will be determined in the following manner:

**Tests:** Three tests will be given. Each test will cover approximately one-third of the course syllabus. The two best scores will be weighted twice as much as the lowest score, so the three tests will count for 8%, 8%, and 4% of the final grade. You will be given the entire class period (one hour and fifteen minutes) to work on the test. If you miss class on the day the test is scheduled, a make-up will be given only in extenuating circumstances and only within two weekdays of the scheduled test. (Before the next scheduled class). Otherwise, if one test is missed, each of the other two will count for 12.5% of the final grade.

**Final Examination:** The final exam will cover material from the entire course and must be taken at the time designated by the university during final exam week.

**Quiz Average:** At least three quizzes will be given. The lowest grade will be dropped. The rest will be averaged to determine this grade. If you are absent the day of a quiz, the grade will be recorded as zero and will be the grade that is dropped. If you know you are going to be out on the day of a quiz please let me know as soon as possible. The quiz average counts 10% of the total grade.

**Homework:** Each homework assignment will be checked and some will be collected and graded. Late homework will not be given full credit. Each student will be required to have a portfolio. Activity problems, homework, article review and journal will be kept in the portfolio. Specific instructions will be given out during the semester.

**Portfolio:** You will keep a portfolio of your work. The portfolio will include your daily assignments, classroom observations, presentations, journal entries, explorations and other class work. Portfolios will be submitted on May 4, 2010.

**Classroom Observations:** You are required to do two observations of a math lesson in an elementary school classroom. A written narrative of your first one is due February 16, 2010. The second observation will be an oral presentation (Microsoft Power Point) due and presented on April 20, 2010.

**Class work and Participation:** Class work and participation will be evaluated.

Tests 20%  
Quizzes 10%  
Homework / Written Classroom Observation 10%  
Projects (????? and Tessellation) 20%  
Portfolio 15%  
Final Exam 15%  
Class work / Observation Presentation 10%

**“Students enrolled in this course who are seeking teacher certification should be aware that all professional education courses are guided by the Conceptual Framework of the School of Education and Professional Studies. Professional education courses prepare students to be active learners, reflective and collaborative practitioners, and facilitators of learning for all students. The complete Framework may be accessed at**

**[http://www.education.ccsu.edu/SEPS\\_Conceptual\\_Framework.pdf](http://www.education.ccsu.edu/SEPS_Conceptual_Framework.pdf)**.”

**Academic Integrity:** Academic Integrity is the responsibility a student assumes for honestly representing all academic work. Cheating or plagiarism on any test, quiz, or assignment will be reported to the University ethics committee. Cheating or plagiarism is defined as turning in someone else’s work as your own. It is not cheating to work with other students. Sharing ideas and learning from each other is an important part of the course.

**University Policies:**

1. You must take the final examination at the time specified for your section, **Tuesday December 14, 2010 11:00am – 1:00pm**

If you need course adaptations or accommodations because of a disability, if you have emergency medical information to share with me, or if you need special arrangements in case the building must be evacuated, please speak to me as soon as possible.

3. In the event of a weather emergency, which requires curtailment of classes, listen to WTIC (am 1080) or call (860) 832-3333 for the Ageneral snow message. @ In the event that I am prevented from traveling to campus and must cancel class, I will leave a message with the secretary in the mathematics department. You may also call me at my home number. A missed test or quiz due to class cancellation will be taken the day we return to class.
4. The last day to drop is **October 25, 2010**. Withdrawal forms available at the Enrollment Center in Willard Hall. During this period approvals for withdrawal are not required; however it is strongly recommended that students consult with their academic advisors prior to deciding to withdraw. Cessation of attendance, notice to the instructor, or telephone calls to the Enrollment Center are not considered official notice of a student=s intention to withdraw from the course.
5. After **October 25, 2010** withdrawals are allowed only under extenuating circumstances and require approval of the course instructor, department chair and dean of the School of Arts and Sciences.