Math T102
Summer 1 - 2011
Syllabus

Instructor: H. L. Wyzinski
Office: HH445A
Office Hrs: MWR: 7:00A - 8:30, 11:30A - 11:30, 1:30P - 2:00
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Text: Mathematics for Elementary School Teachers” 8th edition by Bennett et. al.

Chapter 5 All
Chapter 6 All
Chapter 8 All
Chapter 7 All
Statistics Supplement

Math T102 covers the foundation of arithmetic for signed numbers, rational numbers (fractions and decimals), percents and ratios, real numbers, an introduction to probability, and an introduction to statistics through the normal curve. I will supplement the text with a handout for statistics. Homework will be assigned but not collected. After a topic is covered, it is your responsibility to either do the homework before the next class, ask questions in class, ask me questions outside class either in person or by E-mail, or use the math lab. There will be 3 exams.
Each exam will be 30% of your final grade. At least 95% of each test will be patterned after homework problems. Calculators will be allowed on all tests. A scientific calculator is recommended. The TI-30 series calculators are recommended. There will be 3 reports each worth 4%. The additional 2% is “extra credit”. Each report will be 1 or 2 typed pages on the content of an article (either in a journal or on the web) and must be on the teaching of one of the topics presented this semester. The 3 articles must be approved prior to your writing the report. These reports are due no later than the last day of class. If you miss an exam, you must have a valid excuse. (“I was not ready for the test” is not a valid excuse.) Be aware that make-up tests are usually harder than the in-class tests. The grade of “I” will be given only if there is a valid reason, at least one major test has been taken, and at the time of the request, your grade is at least a “C”.

Grading: Scores will not be “curved”.

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<th>Score</th>
<th>Grade</th>
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<tbody>
<tr>
<td>100</td>
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<tr>
<td>91 - 99</td>
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<td>69</td>
<td>D+</td>
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<td>60 - 68</td>
<td>D</td>
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Homework

Additional homework will be assigned throughout the semester.

Chapter 5
p. 276 #1 - 9 odd, 15 - 23 odd, 23 - 26, 35, 36, 46
p. 303 #3, 9, 11 - 33 odd, 34, 39, 43
p. 329 #5, 7, 13, 15 - 27 odd, 35, 37, 39, 43, 51, 53
p. 333 #2, 4, 5
p. 336 #2, 3, 6, 7, 8, 10, 11, 12, 13, 15
Add 11/175 and 7/45 by finding the LCM (Least Common Multiple of 175 and 45). Show all steps with a written justification for each step. Just saying “I multiplied both the numerator and denominator by 35.” is not sufficient.
Chapter 6
p. 359 #11, 21, 23, 25, 31 - 39, 43, 47, 48, 49, 50
p. 382 #5, 9 - 15 odd, 29, 33, For each number in problem 33, find its exact reciprocal as a fraction., 37, 48
p. 387 (Writing & Discussion) #1, 2, 3
p. 406 #3, 4, 5 - 15 odd, 21, 23, 25, 28, 29 - 41 odd

p. 427 #1 - 11 odd, 12, 13, 15, 16, 17, 19, 23, 24, 33, 35, 36, 38
p. 433 #2, 3, 4, 6 - 11

Chapter 8
p. 531 #1, 4 - 7, 11 - 17, 28, 30, 32, 40, 42, 44, 45, 47 - 51
p. 536 W.&D. #4
p. 554 #1, 2, 5 - 15 all, 20, 21, 24, 25, 27, 28, 32, 33, 40 - 45, 49, 51, 53, 55
p. 562 #1, 2, 3, 6 - 11, 15, 16, 17
Chapter 8 supplemental problems