

Dear Math 105 Student,

Happy New Year and welcome to the Spring 2009 school semester. I believe you are currently enrolled Math 105 Probability and Statistics for Perspective Elementary and Middle School Teachers (wow what a title) on MW 4 – 6 in PS 20 (or perhaps on the waitlist).

My name is Professor Mary Clarke and will be your instructor. Besides welcoming you to the class I wanted to let you know about your textbook, required calculator, and the standards you can download and bring to class on Monday.

The text we will be using is the same text that you either have used or will be using in Math 110A and 110B, namely *Mathematics for Elementary Teachers* by Musser, Burger and Peterson 8<sup>th</sup> edition published by Wiley (ISBN # 978-0-470-10583-2). In the event you have already taken Math 110 A or 110B and have the 7<sup>th</sup> edition you can adapt however if you are still planning on taking these courses make sure you get the 8<sup>th</sup> edition. Our work this semester will be supported by chapters 10 and 11, doesn't sound like much but these are incredibly dense chapters and we will be supplementing them quite a bit.

This course also requires a Texas Instruments graphing calculator, either the TI83 (plus) or TI84 (plus). [If you are purchasing one this semester I recommend the TI84-plus, as it will serve you throughout your college education.] We will use this technology to enhance our understanding of statistical concepts. Calculators should be brought with you to class every day. Typically Costco, Staples, or Target have them reasonably priced.

In order to set the focus of our work together this semester it would be good for you to find, download and bring a copy of the NCTM Standards and the California Standards related to Data Analysis, Probability and Statistics.

For the NCTM Standards go to [www.standards.nctm.org](http://www.standards.nctm.org) ; then to Math Standards and Expectations and under this go to Data Analysis and Probability. The standards are given by grade bands K-2; 3-5, and 6-8. Print out all grade bands for Data Analysis and Probability.

For the California Standards try one of the following: the website <http://www.cde.ca.gov/BE/ST/SS/mthmain.asp> or if this does not work Google California Mathematics standards and the first selection should get you there. For each grade you will need to scroll down to the section entitled Statistics, Data Analysis and Probability and print that section. Make sure to keep the grade level for reference. Bring with you a copy so we can make sure you have the right document.

Come prepared to have a great time in exploring your own understanding of probability and statistics. I look forward to a great semester and meeting you. See you Monday, January 12<sup>th</sup> at 4:00 p.m. in PS 20.

Mary Clarke  
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