

COURSE INFORMATION      Location:            MTH 115  
                                 Class Times:        MWF 9:00-9:50  
                                 Instructor:         Dr. Karl Frinkle  
                                 Office:             MTH 112  
                                 Office Hours:      MWF 10:00-12:00, TR 11:00-13:00, or by appointment  
                                 Office Phone:      (580)745-2028  
                                 E-mail:            kfrinkle@se.edu  
                                 Website:            <http://carmine.se.edu/kfrinkle>

TEXT                      *Essentials of Statistics* (third edition),  
                                 by Mario F. Triola  
                                 ISBN # 0-321-43450-1

COURSE OBJECTIVES      The objectives of this course are as follows:

1. Gain an understanding of descriptive and inferential statistics and their use in the modern world.
2. Develop an understanding of basic probability and how it is applied to the field of statistics.
3. Become familiar with various probability distributions including the Binomial and the Normal.
4. Gain an understanding of the Central Limit Theorem and its importance to the field of statistics.
5. Develop the skills necessary for doing hypothesis testing.
6. Be able to find estimates for the population mean and standard deviation for near normal distributions and the point estimate of the proportion in Binomial distributions.
7. Find confidence intervals for the true population mean, and proportion.
8. Be able to find the linear correlation coefficient and the line of linear regression.

COURSE OUTLINE        We will cover most of the topics from chapters 2 through 8 and also chapter 10. Please view the HW problems document for more precise information.

POLICIES                You will not be able to make up a quiz or receive credit for any other assignment which you missed the deadline for unless you notify me ahead of time. Given prior notification of an absence, I will ensure that you can take the quiz or hand in your homework at a more convenient time.

Cheating will not be tolerated in any shape or form. If you are caught cheating, it will be reported to the appropriate academic offices, and appropriate action will be pursued and you will fail the course.

All cell phones, pagers, CD players, laptops, calculators and other such devices must be turned off and put away before class begins. It is also expected that everyone will behave in a kind and courteous manner towards fellow students and the instructor.

If you are caught using a cell phone or any other electronic device during class, your final grade will be dropped by **one letter grade per incident**.

I reserve the right to change any policies as I see fit to ensure that you are indeed receiving the best possible education that I can give you in the subject matter at hand. If I feel a certain aspect of the course does not appear to be effective in its method, I will attempt to change it (for the better I hope). All changes will be made in writing.

#### GRADES

Your final grade will be based upon the following items

- 25% - Homework - required to be handed in on a regular basis
- 25% - Quizzes - given randomly, without warning
- 20% - Exams - three in-class exams
- 20% - Final Exam - exam covering all of the material from the semester
- 10% - Class participation - interaction during class, and in projects/presentations

#### IMPORTANT DATES FOR SPRING 2009

- 2009.01.14 - Classes begin
- 2009.01.21 - Last day to add a class
- 2009.01.21 - Last day to drop a class with no grade record
- 2009.01.21 - Last day to drop a class with refund/no charges
- 2009.03.11 - Last day to drop a class with automatic W
- 2009.04.01 - Last day to complete final application for graduation
- 2009.04.16 - Last day to drop a class
- 2009.05.15 - Classes end

#### SPECIAL ACCOMMODATIONS

Any student needing special accommodations due to a disability should contact the Coordinator of Student Disability Services, Student Union, Suite 204 or call (580) 745-2254 (TDD# 745-2704). It is the responsibility of each student to make an official request to the Coordinator for accommodations.