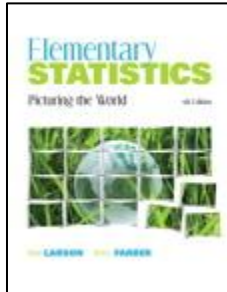


MATH 0108

# Elementary Statistics (Online)

## Course Preview Information



**Instructor:** Rosann Ryczek  
**Phone:** 413-427-9435  
**Email:** rryczek@westfield.ma.edu

**Required Text:** *Elementary Statistics: Picturing the World*, 5<sup>th</sup> edition by Ron Larson and Betsy Farber  
\* A scientific calculator is also required.

### Course Objectives:

This course provides an introduction to basic concepts of statistics. It will allow students to have an understanding of contemporary statistics. Both descriptive and inferential statistics will be studied. General topics to be covered include: data classification, experimental design, frequency distributions, graphical display of data, measures of central tendencies, variation, and position, probability, discrete probability distributions, normal probability distributions, confidence intervals, hypothesis testing, correlation, and regression.

### Prerequisites:

Knowledge of Algebra is recommended. This course will be using many formulas and it is imperative that you know how to simplify algebraic formulas.

You also should be familiar with how to use the equation editor in Microsoft Word. Some assignments will require you to complete work in this type of document to submit to me.

You also MUST have access to a scanner. Some assignments may require you to handwrite the work and then scan your work in to submit to me in a PDF format.

Make sure that you are up to speed with Plato.

### Course Requirements:

**Homework Quizzes (20%)** – Quizzes on homework assignments will be posted once a week. You will be expected to complete the quiz by the due date. If you fail to complete the quiz by the deadline, your grade for it will be a zero.

**Case Studies (20%)** – You will be responsible for completing a case study for each chapter. These will be assigned based on the concepts that we are learning for that chapter. Your write up for the case study needs to include detailed answers to each question showing all work. I do not expect to see just an answer to the question. You need to show all work involved, along with all formulas needed, and write your answers in complete sentences in order to receive full credit.

**Plato Assignments (10%)** – Occasionally throughout the semester I will give assignments that need to be completed and posted to the Student Lounge. Failing to submit one of these assignments by the stated due date will result in earning no credit for it. For these assignments, you will be required to use Standard English. Correct grammar is expected.

**Exams (50%)** – There will be three exams throughout the semester. All three exams are mandatory to take.

Exam 1: Chapters 1 & 2

Exam 2: Chapters 3, 4, & 5

Exam 3: Chapters 6, 7, & 9