

# WESTFIELD STATE UNIVERSITY

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## ELEMENTARY STATISTICS ONLINE COURSE

### MATH – 0108

**Dr. Mahmud Ahmadov**

#### **COURSE DESCRIPTION:**

An introduction to basic concepts and techniques of statistics for students needing skills for research techniques in education, business, and the physical, life and social sciences, or simply to understand the mass of statistical information in modern life. Topics include: graphical techniques such as histograms or box plots; measures of location and spread; scatter plots and correlation; sampling and sampling distributions; estimation and statistical inference (confidence intervals and/or hypothesis testing).

**Prerequisite:** High School Algebra II

**3 Class Hours      3 Credits**

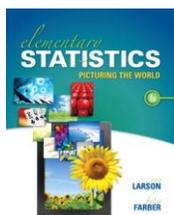
#### **COURSE ORGANIZATION:**

The focus of this course is on mathematical objects, perspectives, ideas, and connections to other areas. This enables to develop a broader understanding and more positive appreciation of traditional mathematics and its applications to real life problem.

Students will participate in discussions, solve problems, use the textbook and some additional resources to explore topics of the course, take exams and work on projects.

#### **TEXTBOOKS:**

**The textbook (either printed copy or ebook) is required for this course.**



Elementary Statistics: Picturing the World, Books a la Carte Edition, 6th Edition

**Ron Larson, Penn State University at Erie**

**Betsy Farber, Bucks County Community College**

ISBN-13: 9780321911216

Publisher: Pearson

Copyright: 2014

The hard copy of the book can be bought in the WSU bookstore. The eBook can be rented on CourseSmart.com

**TI 83/84 calculator and access to technology is required, as well.**

#### **GRADING:**

Students must demonstrate an understanding of course material by:

1. Actively participating in all aspects of the course
2. Using the appropriate terminology in class discussions.
3. Thoroughly and accurately completing assignments, papers, quizzes, projects, exams, etc. and submitting them on time.
4. Each graded assignment, which may be an exercise, project, discussion-based assignment, quiz, or test, will carry a certain weight.
5. Points are assigned for each assignment criterion, (an assignment criterion is a detailed expectation for a specific assignment) which has been established for the purpose of completing and evaluating each assignment to a given set of expectations.

6. Students will receive a weekly progress and grade report.
7. The final grade will be given as the ratio of the earned points over the total points available converted to percents.

**Calculations of your current grade:**

- Step 1: Add up all points earned
- Step 2: Add up all points possible to earn up to date
- Step 3: Divide the result of Step 1 by the result of Step 2.
- Step 4: Multiply the result of Step 3 by 100

The numerical average will be converted to the letter grade according to the following scale

<b>A</b>	93-100	<b>B+</b>	87-89	<b>C+</b>	77-79	<b>D+</b>	67-69
<b>A-</b>	90-92	<b>B</b>	83-86	<b>C</b>	73-76	<b>D</b>	60-66
		<b>B-</b>	80-82	<b>C-</b>	70-72	<b>F</b>	< 60

**INSTRUCTOR AVAILABILITY**

Please get in touch with me via course email system. Let me 24 – 48 hours to respond all your questions.

Use all other features of the online classroom (Messages, Ask Dr. Max, Ask Question discussion forums) to get a help with the course material.

My school email address is: [mahmadov@westfield.ma.edu](mailto:mahmadov@westfield.ma.edu)

Phone: (413) 455-0015 (this is a virtual phone number; no text messages can be received)

**Important note: This is an online course. All consultations and help will be done either online, or over the phone (by appointment).**