

BURLINGTON COUNTY COLLEGE

Instructor: (Mrs.) Diane Venezia

Course: Math 107 – Introduction to Statistics

Text: Elementary Statistics, 11th Edition, by Mario F. Triola, 2010, Addison-Wesley/Pearson Education, Inc.

Course description: This course is designed to provide the students with an understanding of the basic statistical concepts by which inferences may be drawn from observed data. This course is designed to meet the needs of students who are required to have a course in basic statistical concepts. Topics include descriptive statistics, an introduction to probability, theoretical probability distributions, sampling theory, errors of measurement, testing the null hypothesis, linear regression and the correlation coefficient.

Required Materials for Instruction: Textbook, as listed above.

Calculator: a scientific or graphing calculator is required.

Course Syllabus (purchased in the college store)

Optional Materials: Student Solutions Guide

Attendance/ College Policies: Attendance is taken at all class meetings. Please refer to the Burlington County College Student Handbook for details of the college's policies for attendance, as well as for the Student Conduct Code, the Student Grade Appeals Process, and the Academic Integrity Code. The use of cell phones in class is not permitted.

Students are required to attend all classes. Promptness is also required. If a class is missed, the student is held responsible for the full requirements of that class. **Prior arrangements must be made if a test will be missed, otherwise the grade earned is a zero. Certainly a phone call or e-mail on the day of a missed test is acceptable** to make other arrangements. If a student misses the final exam, he/she will not be permitted a make-up exam unless there is a documented emergency.

Assignments: Students are required to complete all assignments given, due on the next class meeting. If absent when checked, share your work with

the instructor upon returning. The instructor will check for completion, not accuracy, of assignments, as she deems necessary. All work must be shown to receive credit. If you arrive **late** to class and the assignment was checked and is already being gone over, **the student will not earn any credit for that assignment.** At the conclusion of the semester, assignments are worth a total of twenty-five points (or 4.76% of final grade). Students are also responsible for all lecture notes and any assignments missed during their absence from class.

Grading Policy:

Grades will be based on **four tests** (each worth 100 points), and the **final exam** (100 points). There are **NO make-up tests or any retests** given. There are four (4) tests-one each on Units 1, 2, 3, 4/5. Each test and final exam will be graded using the following scale:

<u>Percent Correct</u>	<u>Letter Grade</u>
100 - 90	A
89 - 80	B
79 - 70	C
69 - 60	D
below 60	F

Tests will be taken in the test center as announced by the instructor. Specific instructions for each test will be provided. The **final exam** will be administered in class during final exam week. It is a twenty-five question, multiple choice and comprehensive exam.

Adding the percent grades for each test and the final exam, along with the points for the assignment grade, and dividing this sum by 525 will determine the **course grade**. The letter grades listed in the scale above will be used to determine the course grade.

Grades of "I" or "X" are assigned at the discretion of the instructor.

Extra Help:

Please make prior arrangements with me for help, and/or help is available in either math lab. The labs are located in the Pemberton library, room 201, and in TEC, Mt. Laurel, in room 101. Times will be announced, as well as posted. Student tutors are also available by contacting the tutoring center at ext.1495, with no fee charge.

Phone/e-mail:

You may leave a message at either 609.894.9311 or 856.222.9311, extension 1515. My office is located in the Academic building in Pemberton, room 324. My e-mail is dvenezia@bcc.edu and my webpage can be accessed from <http://staff.bcc.edu/dvenezia>

Math 107: Introduction to Statistics

UNIT 1:

- Chapter 1 – Read Pages 4-23 and 26-29
 - Assignments – Pages 16, 17 # 1-31 odd
Pages 24, 25 # 9-15 odd, 21, 23, 25
Page 35 # 9-19 odd

- Chapter 2 – Read Pages 46-66
 - Assignments – Pages 53, 54 # 5, 7, 11-19 odd
Pages 57, 58 # 1, 3, 5, 11
Pages 68, 69 # 6, 21
Page 76 Chapter Quick Quiz # 1-9

- Chapter 3 – Read Pages 84-89, 99-106, 114-123
 - Assignments – Pages 94-96 # 1-13 odd, 21, 23
Pages 109-113 # 1, 4, 9, 10, 13, 31-34 all
Pages 127, 128 # 5-29 all

Unit may be supplemented with worksheets and the Review on Descriptive Statistics in the Syllabus.

UNIT 2:

- Chapter 4 – Read Pages 138-146; Pgs. 152-174; Pgs. 184-188
 - Assignments –
 - 4.2: Pages 148, 9 # 3-23 odd; Pg. 150 # 27, 29, 31
 - 4.3: Pages 156-158 # 1-31 odd
 - 4.4: Pages 168, 9 # 13-21 odd
 - 4.5: Pages 175-177 # 9-15 odd, 19-22 all
 - 4.7: Pages 189-191 # 5-11 odd, 27

Unit may be supplemented with worksheets and the Review in the Syllabus.

UNIT 3:

- Chapter 5 – Read Pages 204-212, 218-224, 229-231
 - Assignments – 5.2: Pages 214, 215 # 5-15 odd
5.3: Pages 225-227 # 5-31 odd
5.4: Pages 231-233 # 1-15 odd

Continued....

- Chapter 6 – Read Pages 250-260, 264-270, 287-291
 - Assignments – 6.2: Pages 261,2 # 1, 3, 9-35 odd
 - 6.3: Pages 271-273 # 1,3, 5-8 all, 21, 23, 25a, 27a
 - 6.5: Pages 295-297 # 1,3, 5-15 odd (parts a and b)
 - 6.3: Pages 272,3 # 9-19, 25b, 27b

Unit may be supplemented with worksheets.

UNITS 4 and 5:

- Chapter 7 – Read Pages 328-361
 - Assignments –
 - 7.2: Pages 340-341 # 17-24, 29,31,33 (a,b)
 - 7.3: Pages 352, 353 # 9, 11, 20-25 all
 - 7.4: Pages 365-367 # 5-14, 17-23 odd
 - Back to 7.2 and 7.3: Pages 340-343 # 25-28 all, 41, 43; Pages 352-4 #13, 15, 31-34 all

- Chapter 10 – Read Pages 518-522 and Pages 536-541
 - Assignments
 - 10.2: Pages 532,533 # 13,15,17
 - 10.3: Pages 548,549 # 13,15,17

Unit may be supplemented with worksheets.

Remember to review with worksheets in the Syllabus (Page 27 # 1-5 and Page 28)

Chapter 8 (8.2, 8.3) will be presented after TEST # 4 and before the final exam.