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BRAZOSPORT COLLEGE

MATH 1342 – STATISTICS

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COURSE SYLABUS

Term: Fall 2015

Course Schedule: Online

Course Location: Online, via D2L

Instructor: Dr. Calin Agut,
Office: J.226, Department of Mathematics
E-mail: Calin.Agut@brazosport.edu
Phone: 230-3274
Office Hours: Check the website (D2L)

Final Exam (tentative): Mon 12/7/15 at 7:00 to Tue 12/8/15 at 20:00
Withdraw last date: 10/30/15

Course Description/Overview

The *Statistics* course is design as an elementary course. It will apply a lot of Mathematics skills and extend the mathematical research of real life problems and situations. The course will include a study of Measures, Probability, Binomial Distribution, Estimations and many others. The MS Excel application will be used for some applications.

Credits: 3.

Web CourseCompass.com Registration/Login: www.coursecompass.com

Go on coursecompass.com, use the course ID (provided on the next pages) and create an account. You'll be able to find the electronic version of the book, the homework and all other assignments.

See the Attached Sheet with information.

College Online Webpage D2L (Desire 2 Learn)

Log-in via D2L online.brazosport.edu and find the course. There will be your electronic Syllabus, Course Content and more.

Textbook and Resources

The course textbook is *Elementary Statistics using Excel*, by M. F. Triola, The Pearson Addison Wesley Company. It is provided in an e-format via the account on coursecompass.com.

Required Materials:

Access to PC.

Key/Access code to coursecompass.com, as well as to BC online courses (D2L) via <https://online.brazosport.edu>.

Optional: Graphing Calculator, TI 83/84 plus or equivalent. It is the student's responsibility to have basic knowledge about using his/her own calculator.

Prerequisites:

Basic skills in algebra are required. These include, but are not limited to, operations with numbers, set theory, logic and geometry. Basic skills in using PC, MS Office and Excel are required.

Format

The course is designed as an online course.

There will be no face-to-face instructional meetings. All the discussions will take place and posted on D2L on the Discussion board. The Tests and the Exam must be taken in your higher education institution facilities (like LAC), and supervised by professional personnel.

Assessments:

During the Semester there will be several quizzes, projects, challenge exercises, Test(s) and one Final Exam.

Check the attached Schedule for more details.

No Make-Up is allowed under any circumstances, for any of the scheduled assignments.

Grading Policy/Evaluation:

The grades will be counted in the following way:

Quizzes	25%
Homework	15%
Test(s)	40%
Final Exam:	20%

Quizzes:

There will be several quizzes during the term. All of the quizzes are due online with coursecompass.com. Be sure you consult the schedule and don't miss any quiz. Every quiz has a time limit of 60 minutes and a maximum of 2 attempts. There is a due date/time for quizzes. The number of questions may vary. Please consult the attached schedule. No Make-Up is allowed under any circumstances.

Homework

The assigned HW is listed on the schedule. All of the items are due online with coursecompass.com. There will be a due date (see Schedule). No time limit for the HW (except for the due date). Maximum number of attempts is 5 per question. The number of questions may vary. No Make-Up is allowed under any circumstances.

Test(s)

There will be 2 tests during the term. They are due online with coursecompass.com. Be sure you consult the schedule and don't miss any test. Every test has a time limit of 90 minutes and 1 attempt. There is a time frame stated in the Schedule. The number of questions may vary. No Make-Up is allowed under any circumstances. The tests must be proctored at a higher institution facility (like LAC) only. Please contact your institution prior, so that you can accommodate for taking the assignments under supervision. No other material or website access is allowed during the Tests, except for Graphing Calculator, Formula Sheets and scratch paper (provided by the proctor). The proctor must contact me at least 3 days in advance, by email, so that I can send the information regarding the Test/Exam.

Final Exam

The Final Exam is mandatory and comprehensive.

The Exam is online. The time limit is 120 minutes within the time frame stated in the Schedule.

The Exam must be proctored at a higher institution facility (like LAC) only. Please contact your institution prior, so that you can accommodate for taking the assignment under supervision. No other material or website access is allowed during the Exam, except for Graphing Calculator, Excel blank document, Formula Sheets and scratch paper (provided by the proctor).

No make-up is allowed for the Final.

The proctor must contact me at least 3 days in advance, by email, so that I can send the information regarding the Test/Exam.

Grading Scale:

Unless an announced in changes is made, the following scale will be applied for this course:

A:	90-100;
B:	80-89;
C:	70-79.
D:	60-69
F:	< 60.

Dropping/Incomplete policy

No dropping will be iapproved by the instructor at any time, unless extraordinary circumstances, official documented. To be eligible for a reinstatement(grade of I), the student must bring official documents and have an average of at least 70% in his/her class participation.

Time requirement:

Taking into account the volume of the information and the homework assigned, a minimum of 8 hours a week outside of class is required.

Students with disabilities:

Please address any request to the School Staff so that we can arrange for proper accommodation. It is my policy and priority to allow equal opportunity for every student.

Miscellaneous

During the HW, Quiz, Test and/or Exam, the student may use the Graphing Calculator 83/84 plus or equivalent. No other device is allowed to be used.

During the Test or Exam, the student cannot use any external notes (except for an initially blank Excel document), formulas, etc.

IMPORTANT:

Any further information will be presented in class by the instructor and is the student's responsibility to be informed. Information may be provided via email or posted on D2L under Discussion Board.

During a time frame for an online assignment, the instructor will not answer to any question that is related to that assignment, except for HW (Example: you have Quiz #4 and you score a low grade for the first attempt; trying to prepare

for the next allowed attempt, in the meantime, you ask/post a question. The instructor will not answer to that until the time frame is expired).

For each Test/Exam, the proctor must contact me at least 3 days in advance, by email, so that I can send the information regarding the assignment. It is the student's responsibility to make these arrangements, so that the test/exam can be taken in proper conditions.

To register for **Statistics, Fall 2015**:

1. Go to pearsonmylabandmastering.com.
2. Under Register, click **Student**.
3. Enter your instructor's course ID: **agut10104**, and click **Continue**.
4. Sign in with an existing Pearson account or create an account:
 - If you have used a Pearson website (for example, MyITLab, Mastering, MyMathLab, or MyPsychLab), enter your Pearson username and password. Click **Sign in**.
 - If you do not have a Pearson account, click **Create**. Write down your new Pearson username and password to help you remember them.
5. Select an option to access your instructor's online course:
 - Use the access code that came with your textbook or that you purchased separately from the bookstore.
 - Buy access using a credit card or PayPal.
 - If available, get 14 days of temporary access. (Look for a link near the bottom of the page.)
6. Click **Go To Your Course** on the Confirmation page. Under MyLab & Mastering New Design on the left, click **Statistics, Fall 2015** to start your work.

Retaking or continuing a course?

If you are retaking this course or enrolling in another course with the same book, be sure to use your existing Pearson username and password. You will not need to pay again.

To sign in later:

1. Go to pearsonmylabandmastering.com.
2. Click **Sign in**.
3. Enter your Pearson account username and password. Click **Sign in**.
4. Under MyLab & Mastering New Design on the left, click **Statistics, Fall 2015** to start your work.

Additional Information

See **Students > Get Started** on the website for detailed instructions on registering with an access code, credit card, PayPal, or temporary access.

Course Outcomes:

Upon completion of the course, the student will be able to:

1. Identify non-randomness in a sampling technique,
2. Describe the center of a data set using the measures of central tendency,
3. Measure the dispersion of data set using the measures of range, variance and standard deviation,
4. Find the probability of an event using permutations and combinations,
5. Apply the addition rule for finding probability,
6. Apply the conditional probability to compound events,
7. Find the probability of an event using the binomial distribution,
8. Calculate the mean of a discrete random variable,
9. Compute the expected value in an application problem,
10. Compute probability using the standard normal distribution,
11. Estimate a population mean using confidence interval,
12. Estimate a population variance using confidence intervals,
13. Construct and test a hypothesis.

Academic Honesty:

Brazosport College assumes that students eligible to perform on the college level are familiar with the ordinary rules governing proper conduct including academic honesty. The principle of academic honesty is that all work presented by you is yours alone. Academic dishonesty including, but not limited to, cheating, plagiarism, and collusion shall be treated appropriately. Please refer to the BC Student Guide for more information, this is available online at <http://www.brazosport.edu> , click on the link found on the left side of the homepage.

Students with disabilities:

Brazosport College is committed to providing equal education opportunities to every student. Brazosport College offers services for individuals with special needs and capabilities including counseling, tutoring, equipment, and software to assist students with special needs. Please contact Phil Robertson, Special Populations Counselor, 979-230-3236 for further information.

Other student Services Information:

Your course on WebCT: <http://webster.brazosport.edu>

Information about study skills and tutoring for math, reading, writing, biology, chemistry and other subjects is available in the Learning Assistance Center (LAC), see www.brazosport.edu/~lac or call 979-230-3253.

The Student Services provides assistance in the following:

Counseling and Advising	979-230-3040
Financial Aid	979-230-3294
Student Activities	979-230-3355

To reach the Information Technology Department for computer, email, or other technical assistance call the Help Desk at 979-230-3266.

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Online Format

Part 1	Homework #	Time (CST)
Lesson 1	HW 1	8/24/15-10/08/15
Lesson 2	HW 2	8/24/15-10/08/15
Lesson 3	HW 3	8/24/15-10/08/15
Lesson 4	HW 4	8/24/15-10/08/15
Lesson 5	HW 5	8/24/15-10/08/15
Quiz #1 (lessons 1-5)	60 minutes, 2 attempts	8/24/15-10/08/15
Lesson 6	HW 6	8/24/15-10/08/15
Lesson 7	HW 7	8/24/15-10/08/15
Lesson 8	HW 8	8/24/15-10/08/15
Lesson 9	HW 9	8/24/15-10/08/15
Quiz #2 (lessons 6-9)	60 minutes, 2 attempts	8/24/15-10/08/15
Lesson 10	HW 10	8/24/15-10/08/15
Lesson 11	HW 11	8/24/15-10/08/15
Lesson 12	HW 12	8/24/15-10/08/15
Lesson 13	HW 13	8/24/15-10/08/15
Quiz #3 (lessons 10-13)	60 minutes, 2 attempts	8/24/15-10/08/15
Review for Test 1	non-gradable	10/01/15 - 10/14/15
Test 1	90 minutes, 1 attempt	10/12/15 at 7:00 to 10/14/15 at 20:00

Part 2		
Lesson 14	HW 14	8/24/15-11/24/15
Lesson 15	HW 15	8/24/15-11/24/15
Lesson 16	HW 16	8/24/15-11/24/15
Quiz #4 (lessons 14-16)	60 minutes, 2 attempts	8/24/15-11/24/15
Lesson 17	HW 17	8/24/15-11/24/15
Lesson 18	HW 18	8/24/15-11/24/15
Lesson 19	HW 19	8/24/15-11/24/15
Quiz #5 (lessons 17-19)	60 minutes, 2 attempts	8/24/15-11/24/15
Lesson 20	HW 20	8/24/15-11/24/15
Lesson 21	HW 21	8/24/15-11/24/15
Lesson 22	HW 22	8/24/15-11/24/15
Lesson 23	HW 23	8/24/15-11/24/15
Lesson 24	HW 24	8/24/15-11/24/15
Quiz #6 (lessons 20-24)	60 minutes, 2 attempts	8/24/15-11/24/15
Review for Test 2	non-gradable	11/18/15 - 12/2/15
Test 2	90 minutes, 1 attempt	11/30/15 at 7:00 to 12/2/15 at 20:00
Review for Exam	non-gradable	11/30 to 12/08
Exam*	120 minutes, 1 attempt	12/07 7:00 - 12/08 20:00

Remarks:

D2L contains all the course information.

www.coursecompass. com contains all the assignments.

* is on D2L, under "Quizzes" tab

All times are CST