Brazosport College

# COURSE SYLLABUS

Math 1342
**Statistics**

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# COURSE SYLLABUS
## MATH 1342 – *Statistics*

**Textbook:**

The course textbook is Elementary Statistics Using Excel4th edition by Mario F Triola.

**Required Material:**

**Graphing Calculator TI-83 or better is required**. It is the student's responsibility to have basic knowledge about using his/her own calculator. Also some tutorials can be finding on the instructor webpage.

**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 mean, median, and mode.
3.  Measure the dispersion of a 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 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 intervals.
12. Estimate a population standard deviation using confidence intervals.
13. Construct and test a hypothesis.

**Assessments:**

During the semester there will be several quizzes, two Tests and one Final Exam.

Any written open-answer assessment must contain all the steps performed in order to get the solution, and must be presented in a mathematical methodical manner. It is the student responsibility to turn in the assessment. If a student **fails to turn in the assessment** on time he/she will get a grade of zero for it.

**Grading Policy/Evaluation:**

The grades will be counted in the following way:

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|---|---|
| Quizzes | 25% |
| Tests' average | 50% |
| Final Exam: | 25% |

**Final Exam:**

The Final Exam will contain open answer questions and/or multiple-choices exercises questions at instructor discretion. *The student must show all the work in appropriate manner, using mathematical symbol, in order to get full credits.* **The student cannot leave the classroom during the final exam unless he/she finish it.** No makeup is allowed!

**Homework:**

There will be homework assigned every meeting. The homework will **not** be collected and graded, regularly. It is the instructor discretion if will ask for a certain homework to be turned in. Quizzes from homework or similar exercises will be assigned frequently.

**As part of the homework the students must read the lesson before coming to class.**

**Quizzes:**

There will be several unannounced quizzes. The quizzes will be open-answer questions or multiple-choices questions. *For all the open answer questions the student must show all the work in appropriate manner, using mathematical symbol in order to get full credits*. **Any make up quiz must be complete in 3 working business days from the initial quiz day.**

**Tests:**

**Two (2) Tests** will be administrated in the regular class. They will be open-answer questions where the students are required to show all the work performed on the tests' paper in a methodical and mathematical manner. Some tests may have multiple-choice questions at instructor discretion. *The student must show all the work in appropriate manner, using mathematical symbol in order to get full credits*. **No makeup work is allowed unless extraordinary circumstances by providing official documents! The reason of missing a test day should be strong (very strong) in order to consider the official documents. Any make up must be complete in 3 working business days from the initial test day.**

**Grading Scale:**

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

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

**Attendance:**

The students are strongly encouraged to attend every lecture class. Each class meeting is considering as an entity. After **3** excused and unexcused absences the instructor will consider "excessive absences" and **may fail or drop** the student. It is the instructor discretion what pathway will be chooses. Also, it is the student responsibility to drop from the course if he/she considered necessarily before or on the last day of withdrawing.

To avoid unnecessary class disruptions, the students are should arrive on time and remain seated until the class is dismissed. *If a student is coming late in class or lives the class early without a prior notice and extraordinary circumstances, the instructor **will consider** the student absent for that meeting*.

The time spent in the class, the student will follow the instructor's directives and will respect the School's student conduct (including academic honesty). The instructor may initialize attendance rules during the semester.

**Dropping policy:**

From Brazosport College Calendar you can find the last day when you can get a W for this course. After this date **no late withdraws form will be signed**, unless extraordinary circumstances official documented.

To be eligible for a reinstatement, the student must bring official documents and have an average of at least 70% in his/her class participation.

**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.
**The students caught cheating will be "awarded" with an F for the entire course.**
**An open book, open note pad and a cell phone on the desk during an assessment means cheating even in the case that the student considers the assessment finished.**

**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 for course preparation including: reading the lessons from the textbook, reviewing the class notes and complete the homework. A team of Tutors is available for you and you can contact them at 230-3527.

**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.

**Miscellaneous:**

No electronic recording device can be used in class, unless Mr. Phil Robertson announces me prior. The students may only take written notes from the class.

No cell phones are allowed to be used during the class, quizzes, tests or exam. Please turn off any electronic device, which may disturb the class activity. During the lecture the cell phones mast be turned off or silenced.

No food / snack can be brought into the class and be consumed, at any time. You may have a bottle of water.

No other electronic devices, including laptop, palm, iPod, iPad, tablets, are allowed to be brought and used in class, at any time unless a prior instructor notice and approval.

**IMPORTANT:**
1. Any further information will be presented in class by the instructor and is the student's responsibility to be informed.
2. There will be no office hours during the Final Exam Week.
3. There will be no assessments at the end of the semester to increase the grades. The students MUST perform the work during the all 16 weeks period.
4. **Web Page:** Extra copy of the syllabus, tentative schedule and announcements can be found at the web address:
   http://www.brazosport.edu/sites/CurrentStudents/Faculty/IoanaAgut/Pages/default.aspx
5. **Lecture notes may be available for students on the instructor webpage.**
6. **Any misbehavior leads to a withdraw form initiate by the instructor. Sleeping, talking, and eating in class is considered misbehavior. Working to another a assessment for another instructor is considered misbehavior too.**
7. No grades will be provided over the e-mail or phone. You can find your grade in person

**Other student Services Information:**

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](http://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.