COURSE: MATH-1530 Probability and Statistics

TEXTBOOK:
Basic Practice of Statistics, 9th edition authored by Moore, Notz, & Fligner and published by W.H. Freeman

INSTRUCTOR: Jett Burns – Email: burnsjm@etsu.edu

GOALS & OBJECTIVES:

This course is designed to help students gain a basic understanding of probability and statistics topics and how they relate to the world around us. Topics are illustrated by using current newspaper clips, magazine articles, and the internet.

TECHNOLOGY REQUIRED:

Minitab, a statistical software package, available on ETSU computers and through the ETSU Appstream

Basic Calculator

Achieve Software (This will be included with your book.) Special ISBN: 9781319434830
- ISBN will allow for special pricing for the software and E-Book. Book also available in the ETSU bookstore. Achieve Learning Software is required for the course.
- Macmillan Learning Student Store | Rent or Buy Textbooks
- Achieve Course ID is 7udxek

CHAPTERS COVERED:

We will cover chapters in this order: 1 – 6, 8, 9, 12, 15, 13, 14, 16, 17, 18, 20, 21, 22, 25

GRADING FOR THE COURSE:

Your grade will be based on a possible 1000 points from the following:

- 4 Exams worth 100 points each – (400 points)
- Comprehensive Final Exam – (200 points)
- Homework – (100 points)
- Learning Curve Adaptive Quiz – (100 points)
- In-Class Quiz Assignments – (50 points)
- Capstone Final Project – (150 points)
- Attendance Bonus – (50 points)

This adds to 1050 points, but the grade is calculated out of 1000 points.

The **Grading Scale** for this course is as follows:

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|---|---|---|---|
| A | 950 – 1000 points | C+ | 780 - 799 points |
| A- | 900 – 949 points | C | 720 – 779 points |
| B+ | 880 – 899 points | C- | 700 – 719 points |
| B | 820 – 879 points | D+ | 650 – 699 points |
| B- | 800 - 819 points | D | 600 – 649 points |
| | | F | less than 600 points |

ATTENDANCE BONUS:

| | |
|---|---|
| 5 absences or more | Zero bonus points |
| 4 absences | 10 bonus points |
| 3 absences | 20 bonus points |
| 2 absences | 30 bonus points |
| 1 absence | 40 bonus points |
| 0 absences | 50 bonus points |

- Attendance will be taken in the form of daily quizzes

HOW WILL THIS CLASS WORK:

We will work through chapter specific lecture notes in-class each class period. I encourage you to print these notes and bring them to class and fill them in as we go. There will be a 10–15-minute break halfway through the class. Depending on time and speed of the lectures, we may use the time after the break to work on homework for that chapter or learning curve quizzes. Some days I will continue to lecture after the break. I also encourage you all to work together and help each other learn throughout the course. Please email me with questions that you may have at any time!

CAPSTONE PROJECT:

You will be asked to complete a project demonstrating your understanding of the concepts presented in the course and how to use Minitab to gain information about a data set. You will use Minitab file to answer questions about the main ideas learned during the course.

FREE MATH TUTORING:

The CFAA (Center for Academic Achievement) located in the Sherrod Library and provides free individual tutoring seven days a week. Visit https://www.etsu.edu/students /cfaa/learning/online-help.php for more information. Also, you can visit the CFAA office on the first floor of the library in room 144.

COVID INFO:

We will follow the guidance of ETSU administration regarding face coverings and in-person meetings. Please check your ETSU email/website for guidance.

ATTENDENCE POLICY:

I strongly encourage you to attend every class meeting. Here is the Mathematics Department policy:

Departmental Attendance Requirement: The Department of Mathematics strongly advises students to attend all mathematics classes when physically able. Because there is a positive correlation between attendance and student success in mathematics, the following guidelines will be used in all mathematics courses. Regardless of the reasons for the absences, should a student exceed the following limits, the instructor has the authority to assign a grade of F or W.

- 9 absences for all day-time sections of 4-hour classes

Modifications or exemptions can be made given the nature of the pandemic. If you are sick, do not come to class. If I am sick, you will be notified via D2L and email, and class will be held on Zoom.


AGREEMENT:

This is a contract between student and instructor. By coming to class on the first day, you agree to the information in the syllabus. Please voice any of your concerns on the first day. Any modifications made to the syllabus will be in the students favor.