

COURSE: MATH-1530 Probability and Statistics

- **TEXTBOOK:** Basic Practice of Statistics, 9th edition authored by Moore, Notz, & Fligner. This package is offered through Macmillan Learning and contains a standard interactive ebook + Learning Curve quizzes. It can be purchased directly at their website: <https://store.macmillanlearning.com/us> Use ISBN 9781319434830 to get the \$80.99 price. See “Learning Curve Registration Instructions” in D2L for your course ID.

INSTRUCTOR: Dr. Sherri Hardin email: hardins@etsu.edu

Office: 308-I Gilbreath Hall Office Hours: M & W 11:50 am – 1:00 pm

GOALS & OBJECTIVES FOR THIS COURSE:

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, will be introduced and used in the class

A calculator that does basic math is sufficient

CHAPTERS COVERED:

We will cover material from chapters 1–5, 8, 9, 12, 13, 15-18, 20-22, & 25

GRADING FOR THE COURSE:

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

- 4 Exams @ 100 points each – (400 points)
- Comprehensive Final Exam – (200 points)
- Assigned Quizzes – (100 points)
- Practice Quizzes – (100 points)
- Learning Curve Quizzes – (50 points) {These are taken online@achieve.macmillanlearning.com *must purchase this with textbook --- info above}
- Capstone Project (see next page) – (150 points)
- Bonus for good Attendance (see next page) – (50 points)

This adds to 1050 total points, but your grade will be calculated out of 1000 points

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

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

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 a Minitab file to answer questions about the main ideas learned during the course.

FREE MATH TUTORING in the CFAA (Center for Academic Achievement) located on the first floor in Sherrod Library and provides free individual tutoring seven days a week. Tutoring is also available online. Visit their website at <https://www.etsu.edu/students/cfaa/learning/online-help.php> for instructions about how to schedule and participate in an online tutoring session. For assistance you can contact their front desk on the first floor of the Sherrod Library via phone (423-439-7111) or email (learning@etsu.edu).

BONUS FOR GOOD ATTENDANCE/LOGIN via ZOOM:

Students may receive a bonus for good attendance and login via Zoom. Bonus points will be awarded in the following manner:

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

DEPARTMENTAL ATTENDANCE REQUIREMENTS:

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 attendance 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 FN or F:

7 absences for classes scheduled for MWF.

5 absences for classes scheduled for TR or MW classes or any other 2 day/night classes.

3 absences for classes scheduled for one evening per week.

9 absences for all daytime sections of 4-hour classes.

*** FOR SUMMER COURSES: 5 absences for classes scheduled MTWXF.**

COVID Safety: *All members of the ETSU community, including visitors, are required to wear face coverings in public spaces. Read [COVID-19 Policy on Face Coverings](#) for details.* Wearing a mask that covers your nose and mouth communicates the care and respect you have for yourself, the care and respect you have for those you live with, and the care and respect you have for other members of this community. The best evidence we have, from public health professionals, is that wearing masks is one of the best ways to protect against the spread of COVID-19 and other airborne illnesses. For more information on ETSU's COVID procedures and information, please visit <https://www.etsu.edu/coronavirus/>