

Edison State Community College
Fall 2026 Syllabus

MTH125P-001FS

Supported Statistics

Prerequisites: MTH093D or satisfactory placement scores

Meeting: M, W 1:00 – 2:45

Location: Piqua campus, West Hall, Rm 210

Instructor Name: Dr. Brian Murphy PhD, Atmospheric Science, Purdue, 2015
Office Phone: (937) 778-7945 MS, Physics, Purdue, 1985
Office: West Hall 225(Piqua)
E-mail address: bmurphy2@edisonohio.edu
Office hours: On campus: MW 7:30 - 9:00 AM;
Online via teams: W 3:00 - 5:00 PM: T 10:30 - 11:30 AM

Text

Illowsky, *Introductory Statistics*, Openstax.

Calculator:

TI-83 or TI-84

Additional Resources:

Computer (with access to the internet)

Blackboard: <https://edisonohio.blackboard.com/webapps/login/>

XYZ homework pass: www.xyzhomework.com

Grading:

Four components will determine your grade in this class. These components are

1) Homework, 2) Quizzes, 3) Exams, and 4) the Final Exam.

Grading Allocation: Homework 25%, Quizzes 10%, Exams and Final Exam 65%.

The grading scale is

90% - 100%	--- A
80% - 89%	--- B
70% - 79%	--- C
60% - 69%	--- D
0% - 59%	--- F

All scores will be maintained in Blackboard's online grade book.

Homework: Homework will be done online using the XYZ web portal. There will be homework assigned for each section of material in the text. The XYZ portal will be accessed directly from our Blackboard course page.

Exams: There will be four midterm exams and a comprehensive final exam taken in class.

Makeups/Late submittals:

- Due date extensions for late homework may be granted for documented extenuating circumstances. **Written documentation is required.**
- Quizzes cannot be made up, but may be excused for documented extenuating circumstances. **Written documentation is required.**
- **Exam cannot be missed.** Occasionally, with prior approval or with documented extreme circumstances, they can be made up, but this is entirely at the discretion of the instructor.
Plan to take all exams on time.

Attendance:

Please attend all classes and complete all homework in XYZ homework on time. Staying current is crucial to success in this class. A student who misses class is expected to study the missed content and ask questions as needed. You are responsible for all announcements and material assigned or discussed in a class regardless of whether you attended.

Final Withdrawal Date

Last day to withdraw for Fall semester 2026 semester is Nov. 2.

Academic Honesty Statement:

Any academic dishonesty or deception, such as cheating, copying or plagiarism will not be tolerated. Incidents may result in loss of credit for work, removal from the course, or a failing grade for the course.

Testing Your Faith Act Policy

Edison State Community College is committed to providing an environment respectful of students' beliefs. Students are permitted to be absent for up to 3 days each semester based on their faith, religion, or spiritual belief system with no academic penalty. Students must complete the Testing Your Faith Act Accommodations Form, <https://www.edisonohio.edu/services-support/registration-records>, located in "Forms" and provide a copy to their individual faculty within 14 days from the start of the course. The entire policy can be found in the student handbook at <https://www.edisonohio.edu/services-support/student-resources>.

NOTE: This syllabus and the information contained within it are subject to change without notice

Week	Dates	Topics	Notes
Week 1	Aug. 24 Aug. 26	1.1 -Key terms, Definitions , <i>rounding of numbers</i> 1.2 -Sampling, variation in data, <i>order of operations</i>	
Week 2	Aug. 31 Sept. 2	1.3 -Frequency tables, Levels of measurement 1.4 -Experimental design, <i>exponents</i>	
Week 3	Sept. 7 Sept. 9	 2.1 -Stem & leaf plots, line & bar graphs 2.2 -Histograms,frequency polygons, <i>Square roots</i>	Labor Day Monday, Sept. 7 College closed Quiz 1 (9/2)
Week 4	Sept. 14 Sept. 16	2.3 -Measure of the location of data 2.4 -Box plots, <i>Scientific Notation</i> 2.5 -Measures of the center of the data	Quiz 2 (9/16)
Week 5	Sept. 21 Sept. 23	2.6 -Skewness and the mean, median and mode 2.7 -Measure of the center of the data, <i>Percents</i> Exam 1 (9/24)	
Week 6	Sept. 28 Sept. 30	3.1 -Terminology 3.2 -Mutually exclusive events 3.3 -Two basic rules of probability	Quiz 3 (9/30)
Week 7	Oct. 5 Oct. 7	3.4 -Contingency tables 3.5 -Tree diagrams and Venn diagrams 4.1 -Probability distribution for a discrete variable	Quiz 4 (10/7)
Week 8	Oct. 12 Oct. 14	4.2 -Mean or expected value and standard deviation 4.3 -Binomial distribution	Quiz 5 (10/14)
Week 9	Oct. 19 Oct. 21	6.1 -The standard normal distribution 6.2 -Using the normal distribution Exam 2 (10/22)	
Week 10	Oct. 26 Oct. 28	7.1 -Central limit theorem for sample means 7.2 -Central limit theorem for sums 7.3 -Using the central limit theorem	Quiz 6 (10/28)
Week 11	Nov. 2 Nov. 4	8.1 -Single population mean, normal distribution 8.2 - Single population mean, student-t distribution	Quiz 7 (11/4)
Week 12	Nov. 9 Nov. 11	9.1 -Type I and Type II errors 9.2 - Distribution needed for hypothesis testing 9.3 -Distribution needed for Hypothesis testing	Veteran's Day Wednesday, Nov. 11 No classes
Week 13	Nov. 16 Nov. 18	12.1 -Linear equations, <i>equations, slope and intercepts</i> 12.2 -Scatter plots	Quiz 9 (11/18)
Week 14	Nov. 23 Nov. 25	12.3 -The regression equation Exam 3 (11/25)	Building closed Nov. 26 – Nov. 29 Thanksgiving.
Week 15	Nov. 30 Dec. 2	12.4 -Testing the correlation coefficient 12.5 -Prediction	
Week 16	Dec. 7 Dec. 9	review Comprehensive final exam	Classes end Dec. 12

HW#0		Due 8/29/2026
HW#1	over sec. 1.1, 1.2	Due 9/02/2026
HW#2	over sec. 1.3, 1.4	Due 9/05/2026
HW#3	over sec. 2.1, 2.2	Due 9/12/2026
HW#4	over sec. 2.3, 2.4	Due 9/16/2026
HW#5	over sec. 2.5, 2.6	Due 9/19/2026
HW#6	over sec. 2.7	Due 9/26/2026
HW#7	over sec. 3.1, 3.2	Due 10/03/2026
HW#8	over sec. 3.3, 3.4	Due 10/14/2026
HW#9	over sec. 4.1, 4.2	Due 10/17/2026
HW#10	over sec. 4.3	Due 10/10/2026
HW#11	over sec. 6.1, 6.2	Due 10/28/2026
HW#12	over sec. 7.1	Due 11/04/2026
HW#13	over sec. 8.1	Due 11/11/2026
HW#14	over sec. 8.2	Due 11/14/2026
HW#15	over sec. 9.1 – 9.4	Due 11/18/2026
HW#16	over sec. 9.5	Due 11/21/2026
HW#17	over sec. 12.2 – 12.5	Due 12/05/2026