

JAMESTOWN COMMUNITY COLLEGE
State University of New York
Instructor Course Syllabus

MAT 1540 – Elementary Statistics (3 credits) - Fall 2023 (full year course)

Room: 129

Days: Mon-Fri Time: 5th period (11:09 - 11:52am) or 9th period (2:04 - 2:50pm)

Instructor: Linda Dodd-Nagel

Office: HS Room 129

Email: ldodd@alcsny.org

Office Hours: Mon-Fri 9:35 – 11:05am, 1:17 – 2:00pm (can see me during my study hall)

Phone: (716)375-6600 x2129

About the Course: We encounter statistics nearly every day in nearly every type of media. The objective of this course is to expose you to ways of collecting data, representing data, and analyzing data; and to help you understand the methods used to think critically about the claims we see in journals, newspapers, TV broadcasts, and so on.

This is a **full year course** where a significant part of it is taught in a laboratory setting using a software package such as *Microsoft Excel*.

Students are eligible to enroll in MAT 1540 if they meet any one of the following criteria: successfully completed MAT 1500, successfully completed HS Algebra II (or higher) and HS GPA 80+, ACCUPLACER QAS score 255+, or meets eligibility requirements for any higher-level math course. Students can earn 3 credit hours for this course.

Blackboard and MS Teams: We will not be using JCC Brightspace. All resources for this course can be found on Blackboard (our school website [JCC Statistics - MAT 1540](#)) and MS Teams. Both will be used daily.

Required Materials:

1. Microsoft Excel
2. TI-Nspire Graphing Calculator. You can loan a calculator out by signing the loan agreement.
3. 1 Three-ring binder / folder, lined paper
4. Online Textbook: "[Introductory Statistics](#)" at [OpenStax.org](#) → FREE
 - a. **for reference: "*Fundamentals of Statistics, 5th Edition*", by Michael Sullivan III. ISBN# 9780134508306
5. Laptop
6. Pencils or erasable pens

Course Student Learning Outcomes:

Students who demonstrate understanding can:

1. Interpret and draw inferences from mathematical models such as formulas, graphs, tables, and schematics.
2. Represent mathematical information symbolically, visually, numerically, and verbally
3. Employ quantitative methods such as, arithmetic, algebra, geometry, or statistics to solve problems
4. Estimate and check mathematical and statistical methods
5. Recognize the limits of mathematical and statistical methods

Covered Topics in OpenStax:

Chapter 1	Sampling and Data
Chapter 2	Descriptive Statistics
Chapter 3	Probability
Chapter 4	Discrete Random Variables
Chapter 6	The Normal Distribution
Chapter 7	Central Limit Theorem
Chapter 8	Confidence Intervals
Chapter 9	Hypothesis Tests with One Sample
Chapter 12	Linear Regression and Correlation

Assignments: Homework/Classwork/Labs assignments will be given daily. These assignments will be problems from the textbook or teacher-made worksheets. Some assignments will require Excel. To receive credit, assignments are expected to be complete and correct.

Late Assignment Policy: Late work will not be accepted unless other arrangements have been made. Tests and quizzes must be made up within 5 school days from the original test date unless other arrangements have been made.

Extra Credit: No extra credit will be given.

Grading: This is a college level mathematics course, and I will have equal expectations for the level of work you submit. Your final grade will be determined based on the following:

1 st Qtr. Average	20%
2 nd Qtr. Average	20%
3 rd Qtr. Average	20%
4 th Qtr. Average	20%
Final Exam/Project	20%

Quarter grades will be determined using a weighted average as follows:

Homework/Labs	30%
Tests	70%

Grade Scale for the Course:

A	90 - 100%
B+	87 - 89%
B	80 - 86%
C+	77 - 79%
C	70 - 76%
D+	67 - 69%
D	60 - 66%
F	0 - 59%

Attendance Policy:

Student attendance is a necessary and vital ingredient in the learning process. A minimum class attendance requirement of 85% must be met to receive course credit and or earn promotion. Make up sessions are NOT offered as part of our program. One hundred eighty (180) days is the New York State Education Department requirement for a full-year course. Ninety days is required for a one-semester course. Forty-five days is required for a one-quarter course. Therefore 180, 90, and 45 are the numbers to which the 85% will be applied. All other credit bearing courses which meet on a schedule differing from the aforementioned three, will have the 85% applied to the prescribed required total sessions for that particular course. All absences will be counted toward the total sessions missed. Those absences deemed medical or school-sponsored-educational by the Board of Education, will not be counted against the numbers required for credit. A student arriving late to class may be given a disciplinary referral when appropriate. If the student arrives ten minutes or more after the start of class, a full absence will be credited. Students transferring from outside the district will have their attendance interpolated from their date of entry.

Attendance During One School Year	Equates to Days Absent	Number of weeks absent approximately	Number of lessons missed
95%	9 Days	2 Weeks	45 Lessons
90%	19 Days	4 Weeks	95 Lessons
85%	29 Days	6 Weeks	145 Lessons
80%	38 Days	8 Weeks	190 Lessons
75%	48 Days	10 Weeks	240 Lessons
70%	57 Days	11.5 Weeks	285 Lessons
65%	67 Days	13.5 Weeks	335 Lessons

Cell Phone Policy:

Cell Phones are not permitted in class. If a cell phone is visible, it may be confiscated. **If a cell phone is confiscated it will not be returned until the next school day at the earliest. No early warnings will be given.**

Syllabus Changes: Students will be advised on changes to the syllabus as soon as is practical.

Emergency Closing Procedures: School closings will be announced via ALCS social media outlets as well as WPIG Radio.

Final Project: The final project will be discussed in detail on a later date, but this is a college level mathematics course and I expect to see that in your project.

Statement on Academic Integrity and Cheating: While I strongly encourage students to ask their classmates for help, *copying and/or cheating is not permitted*. Violations of this policy will not be tolerated and will minimally result in scores of 0 on the assignment. Also, please understand that working together on homework is not to be interpreted as copying work in any form. There is a fine line between working together and cheating. *Working together* implies that a sharing of ideas is taking place, that the members of the group are all contributing to the task in some way, and that the written work each student produces is their own and not copied from another's written work. *Cheating* is quite easy to identify, and all instances will be addressed according to the college policy which can be found at [JCC Constitution of the Student Body \(sunyjcc.edu\)](http://JCC Constitution of the Student Body (sunyjcc.edu))

Civility Statement: Activities such as texting, listening to music, talking on a phone, and carrying on conversations in class are distracting to me as well as your classmates, and are in conflict with JCC's Civility Statement (please refer to [JCC Constitution of the Student Body \(sunyjcc.edu\)](http://sunyjcc.edu)). Hopefully, these activities will not become an issue during class, but I will address disruptive behaviors in an increasingly stern manner, beginning with non-verbal cues and ending with the removal of the offending student(s) from class.

Student Responsibility Statement: Student responsibility occurs when students take an active role in their learning by recognizing they are accountable for their academic success. Student responsibility is demonstrated when students make choices and take actions which lead them toward their educational goals. Please refer to [JCC Constitution of the Student Body \(sunyjcc.edu\)](http://sunyjcc.edu) for the list of responsible student behavior.

Accessibility Services Office: Students who require accommodations to complete the requirements and expectations of this course because of a disability must make their accommodation requests to the Accessibility Services Office (ASO). [Don Pool, ADA Coordinator/ Coordinator of Accessibility Services](mailto:donpool@mail.sunyjcc.edu), can be reached at (716) 338-1251, or donpool@mail.sunyjcc.edu.