**JAMESTOWN COMMUNITY COLLEGE**

**State University of New York**

**Instructor Course Syllabus**

**Course Abbreviation & Number:** MAT1540 **Course Title:** Elementary Statistics

**Course Instructor:** Mr. T Christopher **Contact Information:**

Phone: 375-6600 ext 2129

Email: tchristopher@alcsny.org

**Office Location:** HS Rm 129

**Office Hours: Wednesday 7:30 am-7:52 am**

**Current Semester:** Full Year Course

**Course Description:** Students will investigate various topics in both descriptive and inferential statistics including measures of central tendency and spread, graphical analysis of data, probability, random sampling, correlation and regression, hypothesis testing and confidence intervals. Practical applications are emphasized throughout the course. A significant part of the course is taught in a laboratory setting using a software package such as Minitab. **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+, ACCUPLACERQAS score 255+, or meets eligibility requirements for any higher-level math course.** 3 credit hours.

**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

* **Topic Outline**

Chapter 1: Data Collection

Chapter 2: Organizing and Summarizing Data

Chapter 3: Descriptive Statistics

Chapter 4: Correlation and Regression

Chapter 5: Probability

Chapter 6: Probability Distributions

Chapter 7: Normal Probability Distributions

Chapter 8: Sampling Distributions

Chapter 9: Confidence Intervals

Chapter 10: Hypothesis testing with One Sample

*Additional Topics*(as time allows)

*Confidence Intervals for variance, and standard deviation*

*Hypothesis testing (with one sample) for variance, and standard deviation*

*Hypothesis testing (with two samples) for mean, proportions, variance, and standard deviation*

* Textbook:**Fundamentals of Statistics, 4th Edition***,* by Michael Sullivan III. **ISBN**9780321838704
* Required Materials: Paper, Pen/Pencil, Calculator (Graphing Calculator preferred), Textbook
* **Grading Policy**

Your final grade will be determined based on the following:

1st Qtr average 20%

2nd Qtr average 20%

3rd Qtr average 20%

4th Qtr average 20%

Final Exam/Project 20%

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

Homework 30%

Quizzes 30%

Tests 40%

Grade Scale

90-100% A

86-89 B+

80-85 B

76-79 C+

70-75 C

66-69 D+

60-65 D

0-59 F

* **Attendance Policy**

Student attendance is a necessary and vital ingredient in the learning process. A minimum class attendance requirement of 85% must be met in order 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.



* **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.

* **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.

* **Blackboard Use Policy:**

Blackboardwill not be used as a primary source of information. Please refer to JCC Statistics on my

school webpage

* **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 school website as well as WPIG Radio
* **Expectations of Students**
  + Civility Statement (<http://www.sunyjcc.edu/current/classroomcivility>)
  + Student Responsibility Statement (<http://www.sunyjcc.edu/academics/student-responsibility>)
  + Academic Integrity (<http://www.sunyjcc.edu/current/academicintegrity>)
* **Disability/Special Services**

Any student who requires accommodations to complete the requirements and expectations of this course because of a disability should make his or her needs known to Nancy Callahan, ADA coordinator/Disability Support Services, 338-1251.

* **Note to students:** A lack of preparation or attendance on your part does not constitute an emergency on my part. Also, it does not move you ahead of my other 95 students in terms of importance. If anything, it moves you to the back of the line. **There is no express lane for procrastination and/or absence from class.**