Instructor: Kofi Kermah Wagya
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Office: Smith Hall 221
Office hours: Monday & Wednesday 11AM – 12PM or by appointment

Course Description: First course in a two-course sequence. Teaches probability and statistics by focusing on data and reasoning and includes displaying data, probability models, and distributions. A student cannot receive credit for MAT 121 after completing any MAT course numbered above 180 with a grade of C or better. **Prerequisites**: A basic understanding of algebra.

Texts:
- *Elementary Statistics* with Finite Mathematics, Custom Edition for Syracuse University, MAT 121 & 122, by Mario F. Triola, 12th edition.
- Minitab Manual by by Mario F. Triola, 12th edition.

Attendance: This class will meet July 3th – August 11th. Attendance is required and will count as 5% of your overall grade.

Cell Phones: Please turn all cell phones and electronic devices off during class. NO texting.

Calculator: A TI-83/84 is highly recommended. Calculators will be allowed for all class work, homework, tests, and quizzes. *Calculators on cell phones are not to be used on tests or quizzes*.

Labs: Class will meet regularly in the computer lab in the Physics Building, room 115 to complete statistical experiments using Minitab. Dates for labs will be announced in class. NO MAKE-UP labs.

Homework & Quizzes: Homework will be assigned on a regular basis, but it will NOT be collected. However, it is ESSENTIAL you know how to do the problems. Quizzes based on the homework will be given regularly in class (these will **NOT** be open book).

Exams: There will be two midterm exams and one final exam. **The final exam will be given on Thursday, August 10, during the regular class period of the last day of class**. *Do NOT make any plans to leave campus before the final exam. If there is an urgent need to leave campus before the final exam is given, please see me, otherwise you must take the final exam during the scheduled time*. The remaining exams are tentatively scheduled for **July 17 (Exam 1)** and **July 31 (Exam 2)**. *All exams will be closed book and closed notebook, but you will be able to use one 8.5x11 sheet of paper front and back to write formulas, but not worked out examples.* These formula sheets will be checked for worked out examples. There will be NO MAKE-UP exams. The grade for any exam missed will be replaced with the grade you receive on the final exam.

Grades: Grades will be assigned based on the percentages below:

Exam 1	20%
Exam 2	20%
Final Exam	20%
Quizzes	20%
Labs	15%
Attendance /Participation	5%

Your letter grade is based on the following table of scores:

Letter Grade	Overall Grade	Letter Grade	Overall Grade
A	93 - 100	C+	76 - 79
A-	90 - 92	C	73 - 75
B+	86 - 89	C-	70 - 72
B	83 - 85	D	60 - 69
B-	80 - 82	F	0 - 59

Course Goals: By the end of this course you will be able to …
- Describe data: Its center, spread, and shape
- Summarize and organize data using charts and tables
- Interpret results from data
- Estimate population values based on sample data (confidence intervals)
- Gain experience using Minitab statistical software

Getting Help: Your instructor will be holding regular office hours and will make appointments with students having class conflicts with their scheduled office hours. In addition, SummerStart offers regular math counseling, a free math tutoring service. This service is available 7-10 PM, Sunday through Wednesday. The location will be provided once it becomes available.

Academic Integrity: The Syracuse University Academic Integrity Policy holds students accountable for the integrity of the work they submit. Students should be familiar with the Policy and know that it is their responsibility to learn about instructor and general academic expectations with regard to proper citation of sources in written work. The policy also governs the integrity of work submitted in exams and assignments as well as the veracity of signatures on attendance sheets and other verifications of participation in class activities. Serious sanctions can result from academic dishonesty of any sort. For more information and the complete policy, see http://academic integrity.syr.edu

Students with Disabilities: If you believe that you need accommodations for a disability, please contact the Office of Disability Services (ODS), http://disabilityservices.syr.edu, located in Room 303 of 804 University Avenue, or call (315) 443-4498 for an appointment to discuss your needs and the process for requesting accommodations. ODS is responsible for coordinating disability-related accommodations and will issue students with documented disabilities Accommodation Authorization Letters, as appropriate.

Since accommodations may require early planning and generally are not provided retroactively, please contact ODS as soon as possible. You are also welcome to contact me privately to discuss your academic needs although I cannot arrange for disability-related accommodations. Making arrangements with ODS takes time. Do not wait until just before the first test.

Problems: Please inform your instructor of any problems that you have with this course. Problems not satisfactorily resolved with your instructor should be brought to the attention of the course supervisor without delay.

Course Calender

July 2016

Monday	Tuesday	Wednesday	Thursday
3 **Sections:** 1.1 – 1.5 & 2.1-2.3	4	5 **Sections:** 2.4-2.5 & 3.1-3.2	6 **Quiz #1** **Sections**: 3.3-3.4
10 Lab & Exam 1 Review	11 **Exam #1** (through Ch 3)	12 **Sections:** 4.1-4.2	13 **Sections:** 4.3-4.4
17 **Lab #2** **Sections**: 4.5-4.6	18 **Section:** 4.7	19 **Quiz #2** **Sections:** 5.1-5.2	20 **Sections:** 5.3-5.4
24 **Lab #3** Review	25 **Exam #2** (through Ch 5)	26 **Sections:** 6.1-6.2	27 **Section:** 6.3

August 2016

Monday	Tuesday	Wednesday	Thursday
31 st July **Lab #4** **Sections:** 6.4-6.6	1 **Sections:** 7.1-7.2	2 **Quiz #3** **Section:** 7.3	3 **Section:** 7.4
7 **Lab #5** **Section:** 7.5	8 **Quiz #4** Review	9 Review	10 **Final Exam**

Computer Labs
Lab 1: Introduction to Computers, Download Data Sets (Chapter 1)
Experiments 2-2, 2-10, 2-12, 2-13, 2-14, 2-15, 2-18, 2-20
3-1, 3-2, 3-3, 3-4, 3-9

Lab 2: Experiments 4-1, 4-2, 4-17, 4-19

Lab 3: Experiments 5-1, 5-4, 5-6, 5-7, 5.8

Lab 4: Experiments 6-1, 6-2, 6-3, 6-5

Lab 5: Experiments 7-1, 7-2, 7-5, 7-6, 7-13