MAT 121 Probability and Statistics for Liberal Arts I
Summer Start 2017
MTWTh(12:00 - 2:25 p.m)
HBC 204/CARN124
Course Supervisor: Prof. Kim Severn

Instructor: Mitchelle M Wambua
Email: mmwambua@syr.edu
Office: Carnegie 400, Complex A, Desk 1
Office hours: TTh 3:00 – 4:00 pm, 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, MATH 121 & 122, and the Minitab Manual that goes with the 12th Edition of Elementary Statistics by Mario F. Triola.

Attendance: This class will meet July 3rd – Aug 10th. 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 (to be announced) to complete statistical experiments using Minitab. Dates for labs will be announced in class.

Homework & Quizzes: Homework will be assigned on a regular basis, and it will be graded and returned as soon as possible. It is important to understand how to solve the homework problems in order to do well in the Quizzes and Tests. If you need help, feel free to come in during office hours.

Exams: There will be two midterm exams and one final exam. **The final exam will be given on Thursday, Aug 10th, 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 11 (Exam 1)** and **July 25 (Exam 2)**. All exams will be closed book and closed notebook, but you will be able to use one 8.5x11(A4) 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: I will be holding regular office hours (see above) and will make appointments with students having class conflicts with their scheduled office hours.

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://academicintegrity.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 2017

Monday	Tuesday	Wednessday	Thursday
3rd Section: 1.1–1.5	4th No Class	5th Sectn: 2.1–2.5	6th **Quiz #1**, Sectn. 3.1–3.4
10th **Lab #1 & Review**	11th **Exam #1**	12th Sectn. 4.1-4.2	13th Sectn. 4.3-4.4
17th **Lab # 2**, Sectn. 4.4-4.6	18th Sectn. 4.7	19th **Quiz #2**, Sect. 5.1-5.2	20th Sectn. 5.3 – 5.4
24th **Lab #3** & Review	25th **Exam #2**	26th Sectn. 6.1 – 6.2	27th Sectn. 6.3
31st **Lab #4**, Sectn. 6.4-6.5			

Aug 2017

Monday	Tuesday	Wednessday	Thursday
	1st Sectn: 7.1 – 7.2	2nd **Quiz #3**, Sectn 7.3	3rd Sectn: 7.4
7th **Lab #5**, Sectn: 7.5	8th **Quiz #4**, Catch-up	9th **Review & Discussions**	10th **Final Exam**