

MAT121 Probability and Statistics for the Liberal Arts I

Summer Session I

MTWTh 2:00 – 4:25 PM

Hall of Languages 105

Instructor: Maria Walpole
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Office hours: TBA

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 MAT121 after completing any MAT course numbered above 180 with a grade of C or better. **Prerequisites:** A basic understanding of algebra.

Texts:

- *Elementary Statistics* by Mario F. Triola, *SU CUSTOM EDITION*.
- Minitab Student Laboratory Manual and Workbook

Attendance: This class will meet May 20th – June 27th. While there is no grade for attendance, you are responsible for all material taught, announcements made, and quizzes/tests given during class whether you are present or not. The reason for your absence makes no difference in this regard. If there is a special circumstance or an emergency, arrangements will only be considered if the instructor is informed of the absence prior to the start of the class that is missed.

Calculator: A basic calculator that can take square roots is required. However, 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 a computer lab to complete statistical experiments using Minitab. Dates for labs will be announced in class.

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, June 27, 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 **May 29 (Exam 1)** and **June 12 (Exam 2)**. All exams will be open book (but closed notebook). 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%
Homework & Quizzes	25%
Labs/other projects	15%

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, the Mathematics Department offers regular math clinic help (a free math tutoring service). These will be set up by the second day of classes and hours will be posted outside the math office.

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.