

MAT 121: Probability & Statistics

M002 — Summer 2018

Instructor Information

Name: Caleb McWhorter
Office: Carnegie 400D
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Office Hours: TW 1:00pm – 2:00pm
Course Supervisor: Dan Zacharia

Class Information

Dates: May 21 – June 29
Time: 2:00pm – 4:25pm
Classroom: Carnegie 110 (Lecture), Carnegie 124 (Lab)

Course Description

First in a two-course sequence. The course teaches probability and statistics by focusing on data and reasoning. Topics include displaying data, numerical measures of data, elementary probability, discrete distributions, normal distributions, confidence intervals. NOTE: A student cannot receive credit for MAT 121 after completing STT 101 or any MAT course numbered above 180 with a grade of C or better.

Grading

The course grade is determined by the following components:

Labs & Homeworks	20%
Exam 1	20%
Exam 2	20%
Exam 3	20%
Final Exam	20%

Grade Scale

The grade scale is the standard Mathematics Department grading scale and is as follows:

A	93 – 100	C+	77 – 79
A-	90 – 92	C	73 – 76
B+	87 – 89	C-	70 – 72
B	83 – 86	D	60 – 69
B-	80 – 82	F	0 – 59

Course Materials

- **Textbook:** *Elementary Statistics with Finite Mathematics*, Fourth 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.
- **Calculator:** Any calculator with the ability to take square roots.

Attendance & Participation

It is essential to your success in this course that you attend each lecture and participate in the discussions. Therefore, you are expected to attend each lecture and to show up on time. Should you need to miss a class for any reason, you are to contact the instructor in a timely manner. Reasons for missing lecture must be documentable and presented, if requested. You are responsible for any material covered during the lecture as well as any work assigned during the lecture. More than two unexcused absences from lectures could result in receiving an F in the course. Furthermore, excessive lateness will also count as an absence. If you are dismissed from lecture due to problems during the lecture, e.g. disruptive behavior or unauthorized cell phone use, then this dismissal will be recorded as an absence.

Homework & Labs

At least once a week, the class will consist primarily of a lab period where a computer system is used to demonstrate concepts learned during the course. Typically, these labs will be started and completed during the class period. However, there may be times when you do not finish the lab and have to complete it outside of class. If this happens, consult with the instructor. There will also be assigned written homeworks during the course. These will consist of problems from the book or handed out during class. These problems should be written up neatly, indicating the student and problem number, and turned in on-time. Homeworks will be graded both on the correctness of the solution as well as the presentation of the work and solution. Late homeworks will incur penalties, if they are accepted at all.

Exams

You are expected to be present, seated, and ready to take the exam before the exam is to be given. There are three exams and a final exam. The exams are scheduled for May 31, June 12, and June 21. If there is a change to this schedule, it will be announced in class. The final exam is cumulative and will take place on June 28. Students should make no plans to leave before June 28th at 4:30pm. If you must miss an exam, it is imperative that you make the instructor aware before the exam begins. *There are no make-up exams—even in the case of an emergency.* Reasons for missing an exam must be documentable and such documentation presented, if requested. Given an acceptable reason for missing an exam, the missed exam score will be replaced by the corresponding score of that portion on the final exam. Each exam case will be handled on an individual basis.

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 309 of 804 University Avenue, or call 315.443.4498 or TDD: 315.443.1371 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 an exam or other class assignment is to be given.

Religious Observances Policy

SU religious observances policy recognizes the diversity of faiths represented among the campus community and protects the rights of students, faculty, and staff to observe religious holidays according to their tradition. Under the policy, students are provided an opportunity to make up any examination, study, or work requirements that may be missed due to are religious observance provided they notify their instructors before the end of the second week of classes. For Fall and Spring semesters, an online notification process is available through MySlice (Student Services → Enrollment → My Religious Observances) from the first day of class until the end of the second week of class.

Counseling Services

If at any point during the semester, you feel overwhelmed with your class work, feel thoughts of depression/suicide, experience sexual assault/rape, experience problems with substance abuse or relationship abuse, or have any other struggles with physical/mental health, ***please seek help!*** The Counseling Center Services at Syracuse University is a resource offering assistance with any issue you might have - both individually and through group sessions. There is ***never*** any shame in seeking help. If you or someone you know is struggling with any of these issues, speak out! The Counseling Center Services website can be found at <http://counselingcenter.syr.edu/>, is located at 200 Walnut Place, Syracuse NY 13244-4350, and can be contacted at 315.443.4715.

If you or someone you know is having issues with gender or sexual identity issues, the LGBT[QIA] Center is there to create a safe space for those with marginalized genders and sexualities or those who might be struggling with these issues. The LGBT[QIA] Center website can be found at <http://lgbt.syr.edu/>, is located at 750 Ostrom Avenue, Syracuse, NY 13244-4350, and can be contacted at 315.443.3983. Know that my office is a safe space and should you prefer any gender specific pronoun/name, please be sure to make me aware!

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://supolicies.syr.edu/ethics/acad_integrity.htm

Mathematics Help

I am always available for help, either during my office hours or whenever you stop by my office and I am there with time to spare. You may also email me to try to set-up a time to see me. While you may email me with questions, many questions are not effectively answerable in an email and may be deferred till you are in class, to office hours, or to an individual appointment. You can also seek help from any person staffing the Math Clinic or Calculus Help Center; see <http://math.syr.edu/undergrad/math-help.html> for hours and location. The Center for Learning and Student Success (CLASS) also offers Free Group Tutoring Sessions for MAT296. They are located on the 3rd floor of Bird Library 348, see <http://class.syr.edu/> or call 315.443.2005.

Problem Resolution

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 clinics. The clinic runs whenever classes meet in Carnegie 102, Mondays through Thursday 8:30am to 12:00pm and 3:30pm to 7:00pm as well as on Fridays 8:30am to 10:30am. Please inform the instructor of any problems, questions, or concerns that you have with this course. Do not wait to bring issues to the attention of your instructor! Problems not satisfactorily resolved with your instructor should be brought to the attention of the course supervisor, Professor Dan Zacharia, zacharia@syr.edu, Carnegie 300B.

Cellular Phones

Following the Mathematics Department guidelines, all electronic devices other than perhaps a calculator should be turned off and put away during class. Calculators on cellular phones or other computational devices are not to be used on quizzes, exams, or other class activities unless otherwise instructed. Using a cellular or other electronic device without instruction can result in dismissal from lecture.