

MAT221

Elementary Probability and Statistics I

2016 Summer II

Instructor and Supervisor: Professor Muhammed ALAN
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Office Hours: Monday-Thursday: 9:15AM-9:45AM
Monday-Thursday: 2:45PM-3:15PM

Course Description: The primary objective of MAT 221 is to provide students with knowledge of elementary probability and statistics. Students will learn the basic concepts of descriptive statistics, design of experiments, probability theory, sampling distributions, and estimation of parameters. Students continuing to MAT 222 will learn how to use statistics to make various decisions.

Text: *Introduction to the Practice of Statistics* by D. S. Moore, G. P. McCabe, and B.A. Craig, **8th edition**. Chapters 1-6 will be covered in MAT 221.

Prerequisites: Algebra competency.

Liberal Arts Core: This course is the first course in the Quantitative Skills sequence MAT 221-222.

Calculators: You will need a calculator to do the computations that will arise throughout the course. No specific calculator is required, but TI 84 or TI 83 graphing calculator is highly recommended. The instructor will show computations using TI84. If you have any other calculator, you are welcome to use it however, it is your responsibility to learn how to use it and demonstrate it. No wireless calculators are allowed in the exams and quizzes.

Cell Phones: All electronic devices other than the calculator should be turned off and put away during class. Calculators on cell phones are not to be used on tests or quizzes.

Exam Dates:

Exam 1: Thursday, July 14

Exam 2: Thursday, July 28

Final Exam: Final exam will be given on **Wednesday, August 10**.

Make-up Exams: There will be NO makeup tests. For students with an EXCUSED absence, the final exam score will be substituted for the missing exam score.

Quizzes: Every Tuesday and every Thursday (If there is no exam) there will be quizzes. These quizzes will have 2 problems similar to the homework problems. **No makeup quizzes will be given. Two lowest scores will be dropped.**

Homework/Quiz To learn the material in a mathematics class, it is essential to do all the homework assignments. Every Tuesday and every Thursday night a set of problems from your textbook will be assigned and will be due Tuesday or Thursday depending on the day it is posted. Namely, you will have at least 7 days to finish your hw. Lowest 2 homework scores will be dropped

Calculation of Course Grade: The required work for this course includes daily homework assignments, quizzes, two in class exams, and a final exam. These pieces will be weighed as follows in determining your semester grade:

Homework and quizzes – 20%
Each midterm exam – 20%
Final Exam – 40%

Your letter grade for the term then comes from the following table.

Overall score x	Letter Grade	Overall score x	Letter Grade
$0 \leq x < 60$	F	$80 \leq x < 83$	B-
$60 \leq x < 70$	D	$83 \leq x < 86$	B
$70 \leq x < 73$	C-	$86 \leq x < 90$	B+
$73 \leq x < 76$	C	$90 \leq x < 93$	A-
$76 \leq x < 80$	C+	$93 \leq x \leq 100$	A

Available student assistance: Instructor office hours, Math Clinic.

Learning Goals

Students will be expected to

1. use and understand basic mathematical notations;
2. select and apply an appropriate mathematical model for certain elementary probability problems;
3. do basic hand calculations with accuracy;
4. use appropriate hardware and software related to certain probability distributions.

DEADLINES FOR SUMMER SESSION II 2016

FIRST DAY OF SSII – July 5, 2016

ADD CLASS – July 7, 2016

PASS/FAIL OR AUDIT – July 8, 2016

FINANCIAL DROP – July 12, 2016

ACADEMIC DROP – July 27, 2016

WITHDRAWAL DEADLINE – August 5, 2016

LAST DAY OF CLASSES – August 12, 2016

FINISHING AN INCOMPLETE – IF YOU ARE COMPLETING AN INCOMPLETE GRADE FROM THE PREVIOUS SEMESTER, YOU SHOULD NOT REGISTER FOR THE COURSE AGAIN. ASK INSTRUCTOR AND INFORM HIM THAT YOU ARE FINISHING AN INCOMPLETE. THE INSTRUCTOR FOR THIS SEMESTER WILL FORWARD YOUR GRADE TO THE INSTRUCTOR THAT GAVE YOU THE INCOMPLETE.

Academic Integrity: Syracuse University sets high standards for academic integrity. Those standards are supported and enforced by students, including those who serve as academic integrity hearing panel members and hearing officers. The presumptive sanction for a first offense is course failure, accompanied by the transcript notation “Violation of the Academic Integrity Policy”. The standard sanction for a first offense by graduate students is suspension or expulsion. Students should review the Office of Academic Integrity online resource “Twenty Questions and Answers About the Syracuse University Academic Integrity Policy” and confer with instructors about course-specific citation methods, permitted collaboration (if any), and rules for examinations. The Policy also governs the veracity of signatures on attendance sheets and other verification of participation in class activities. Additional guidance for students can be found in the Office of Academic Integrity resource: “What does academic integrity mean?”

Related links:

The Academic Integrity Policy: <http://academicintegrity.syr.edu/academic-integrity-policy/>
Twenty Questions and Answers about the Academic Integrity Policy: <http://academicintegrity.syr.edu/faculty-resources/>
What does academic integrity mean?: <http://academicintegrity.syr.edu/what-does-academic-integrity-mean/>

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 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.

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.

Related link: http://supolicies.syr.edu/studs/religious_observance.htm