MAT121-M001
Probability and Statistics for the Liberal Arts I
SUMMER I, 2015

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Office Hours: Monday and Wednesday: 12:30-1:30PM or by appointment

Mathematical Prerequisites and Restrictions: MAT 121 has no formal prerequisites; however, it is desirable that students have a reasonable level of competence in high school algebra. MAT 121 is a prerequisite for MAT 122. 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.

MAT 121 and the Liberal Arts Core: The sequence MAT 121 – MAT 122 can be used to satisfy the quantitative skills requirement of the liberal arts core in the College of Arts and Sciences.

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. Both textbooks are required.

Computer Labs: Periodically we will meet in a computer lab to complete statistical exercises and experiments using Minitab software.

Calculator: Your calculator should be able to take square roots. But TI83/84 plus is highly recommended.

Quizzes and Homework: Homework is for your practice. It will not be handed in and will not be graded. This syllabus contains suggested problems for each section. Quizzes will be based on the material covered in class, and will **NOT** be open book. Expect a quiz every lecture.

Exams: There will be two midterm exams and a final exam on June 25, 2015. You will be allowed to use your textbook and calculator during each and every exam, but you will not be allowed to use any notes. Cell phones or any other devices capable of wireless communication are not allowed.

Make-up Exams: No make-up exam will be given. Instead of a make-up exam the score of the final exam will be counted twice towards the missing test and the final exam. But the student must convince the instructor that there is a very good reason for missing the exam.

Calculation of Course Grade: Each computer Lab, each midterm exam and the final exam will be graded on a scale of 0–100. Your overall score for the term is then computed as follows:

Overall score = (.20)(test 1) + (.20)(test 2) + (.20)(final exam) + (.20)(average of lab scores)+ (.20)(average of quizzes' scores).

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

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

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.

Available student assistance: Instructor office hours, Math Clinic, and Review sessions.

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?"

Suggested Homework Problems

1-2: 29-36 odd	1-3: 1-31 odd	1-4: 9-25 odd
2-2: 1-31 odd	2-3: 9-17 odd	2-4: 1-23 odd
3-2: 1-31 odd	3-3: 1-41 odd	3-4: 1-35 odd
4-2: 1-27 odd	4-3: 1-37 odd	4-4: 1-29 odd
4-5: 1-31 odd	4-6: 1-35 odd	5-2: 1-21 odd
5-3: 1-39 odd	5-4: 1-19 odd	6-2: 1-47 odd
6-3: 1-33 odd	6-4: 1-17 odd	6-5: 1-21 odd
6-7: 1-23 odd	7-2: 1-37 odd	7-3: 1-29 odd
7-4: 1-22 odd		

Tentative Schedule

Day	Date	Section(s)
Monday	05/18	1.2, 1.3 & 1.4
Tuesday	05/19	2.2 & 2.3
Wednesday	05/20	2.4 & Lab
Thursday	05/21	3.2 & 3.3
Monday	05/25	Memorial day, No class
Tuesday	05/26	3.3 & 3.4
Wednesday	05/27	4.2 & 4.3
Thursday	05/28	4.4 & 4.5
Monday	06/01	4.6
Tuesday	06/02	Review & Lab
Wednesday	06/03	Test1
Thursday	06/04	5.2 & 5.3
Monday	06/08	5.3 & 5.4
Tuesday	06/09	6.2 & 6.3
Wednesday	06/10	6.3, 6.4 & 6.5
Thursday	06/11	6.5 & Lab
Monday	06/15	6.7
Tuesday	06/16	7.2
Wednesday	06/17	7.3
Thursday	06/18	Review
Monday	06/22	Test2
Tuesday	06/23	7.4 & Lab
Wednesday	06/24	Catch up
Thursday	06/25	Final Exam