MAT 122 – Summer II 2013
M,T,W,Th 8am-10:25, HBC 213

Instructor: Prof. Terry R. McConnell, 317F Carnegie, 443-1499, trmcconn@syr.edu, office hours: Tuesdays, 1-4 pm and by appointment

Mathematical Prerequisites and Restrictions: MAT 121 is a prerequisite for MAT 122. A student cannot receive credit for MAT 122 after completing any MAT course numbered above 180 with a grade of C or better.

MAT 122 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, by Mario F. Triola.

Homework/Quizzes: Homework will be assigned most days and collected the following day. There will also be a short quiz in almost every class covering the material from previous lectures.

Exams: There will be two in-class exams as well as a final exam. The final will be during the regular class hour on the last day of class. The dates of all the exams are listed below. All exams (including the final exam) are open book. Students may use their textbooks as well as any other books or notes they wish. Students may use any type of calculator they wish except that they may not use calculators capable of wireless communication. Cell phones or any other device capable of wireless communication are not allowed.

Exam 1   July 11 (Thursday)
Exam 2   July 25 (Thursday)
Final   August 8 (Thursday)

Calculator: At the very least, you will need a calculator capable of taking square roots. The Texas Instruments TI-83 and TI-84 are highly recommended. They include several built-in statistical tests which can ease some of the burden of calculation.

Calculation of Course Grade: Once your grades (exams, homework, quizzes) have been converted to a 100-based scale, your raw grade for the course will be computed by the following formula (and not rounded):

Raw grade = (.25)(test 1) + (.25)(test 2) + (.25)(final) + (.15)(homework grade)
                      + (.10)(quiz grade)

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

Raw grade x	Letter Grade		Raw grade 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

Final Exam: The MAT 122 final exam will be held during the regular time on August 8. The final exam will not be given at any other time. Do not make plans to leave campus before Aug. 8

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 (Hours for the clinic will be available during the first week of classes.)

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. For this course in particular, failure to obey the rules about what sorts of notes you are allowed to use during exams is considered to be a violation of the academic integrity policy. These rules are found on pages 1 and 6 of the syllabus.

Goals: After completing MAT 122 the successful student will be able to:

- Understand the meaning of statistical work as reported, for example, in the mass media.
- Critically evaluate the significance, relevance, and scope of statistical results.
- Formulate precise claims suitable to be tested with statistical methods.
- Conduct several basic statistical procedures starting from raw data.
- Appreciate the nature of the work of professional statisticians and some of the opportunities open to those with a basic understanding of the subject.