

***Statistical Inference (as Independent Study)****Class Time:* Th 1-1:50 P.M.*Class Room:* RLC 200A*Instructor:* Angel R. Pineda, Ph.D.*Office:* RLC 200A*Email:* angel.pineda@manhattan.edu*Phone:* 718-862-7730*Office Hours:* Monday 4-5 P.M., Wednesday 1-2 P.M., Thursday 12-1 P.M., or by appointment.*Required Textbook:* Wackerly, Mendenhall, Scheaffer, *Mathematical Statistics with Applications 7<sup>th</sup> Edition*, Duxbury, 2008.*Course Description:*

This course is an introduction to mathematical statistics with an emphasis on statistical estimation and hypothesis testing using calculus. The course will be a combination of theory with applications. The essential ideas of this course revolve around using mathematics to construct and evaluate methods of statistical estimation as well as the development of techniques for testing hypothesis and evaluating the performance of these techniques.

Prerequisite: Math 331 Probability

*Grading:*

Homework &amp; Midterm Exam (70 %)

Midterm Exam: Thursday October 8

Comprehensive Final Exam (30 %).

## Tentative Grading Scale

Percent	93-100	90-92	87-89	83-86	80-82	77-79	70-76	67-69	60-66	0-59
Grade	A	A-	B+	B	B-	C+	C	D+	D	F

The exact grading scale will be determined after the final exam. The numerical scores in the tentative grading scale guarantee the associated letter grade but the instructor may change the scale to the student's benefit.

*Dates to Remember*

September 4: Late Registration &amp; Add/Drop Ends

September 7: Labor Day Holiday (No Classes)

October 12: Columbus Day Holiday (No Classes)

October 13: Monday Schedule

October 19: Midterm Grades Due

November 20: Last Day to Withdraw from Courses

November 25 – 27: Thanksgiving Holiday (No Classes)

December 11: Last Day of Classes

*Academic Integrity:*

Recall that as students of Manhattan College, you have each signed The Manhattan College Honor Pledge as a part of the Honor Code:

*As a Manhattan College student, I will not lie, cheat, or steal in my academic endeavors, nor will I accept the actions of those who do. I will conduct myself responsibly and honorably in all my activities as a Manhattan College student. I am accountable to the Manhattan College community and dedicate myself to a life of honor.*

Whenever you put your name on work to be handed in for grading in this class, you are reaffirming the above pledge. Violations of the Honor Code include, but are not limited to, cheating, plagiarism, fabrication, and other forms of academic misconduct. Please see the Manhattan College Community Standards, pp 45-47, for specific examples of the above.

*Special Accommodations:*

- Students with special needs should bring appropriate documentation to the Specialized Resource Center, Miguel 300, <http://manhattan.edu/academics/specialized-resource-center>, to obtain an Academic Adjustment/Auxiliary Aid form. Bring the completed form to me as soon as possible, and together we will decide on how best to fulfill the adjustments and/or aids listed on the form.
- Student athletes should bring their event schedules to me as soon as possible.

*The material in this syllabus may be changed at the instructor's discretion. Any changes will be communicated to the students.*