

York College, CUNY
DEPARTMENT OF MATHEMATICS

MATH 111 : Probability & Statistics
SYLLABUS (Fall 2018)

Prof. Rashidul Bari
www.bari-science-lab.com
Classroom 2B02 33 (4:00 pm -5:50 pm))

Email Address:
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(0) Summary: **Math 111** 4 hrs. 4 crs. Elements of statistics, graphs, frequency distributions, measures of central tendency and measures of dispersion; elementary probability theory, counting, binomial and normal distributions. Preq: MATH 102, the equivalent, or placement exam.

(1) Office hours: by appointment || Final: TBA || Last day to drop the class: Nov 6 || Note: I will upload every lecture on my YouTube Channel: Bari Science Lab. Textbook: Elementary Statistics by Allan Bluman (6th Edition). The link will be posted on the website (The book is free of charge)

(2)

About this course: Statistics and probability are not different sides of the same coin and I don't like to pretend like they are. However, in Math 111, statistics often uses probability distributions, as if they are different sides of the same coin. Keep that in mind that probability is independent of statistics.

(3) **Tentative Schedule:**

Date	I will upload all lectures on my Youtube Channel: Bari Science Lab	Homework Problems
8/27	Lecture 1: Level of Measurement	
8/29	Lecture 2: Frequency distribution	Homework # 1 Due: Sep 19
9/3	NO CLASS	
9/3	Lecture # 3: Measures of Position	Homework # 1 Due: Sep 19
9/5	Lecture # 4: Data Description	Homework # 1 Due: Sep 19
9/10	NO CLASS	
9/12	Lecture # 5: Chevy Chevy Theorem	Homework # 1 Due: Sep 19
9/17	NO CLASS	

9/19	Lecture # 6: Probability & counting rules, Part 1	Homework # 1 is DUE
9/24	Lecture # 7: Probability & counting rules, Part II	Homework # 2 Due: Oct 20
9/26	Lecture # 8: Probability Distribution	Homework # 2 Due: Oct 20
10/1	Lecture # 9: Probability Distribution, 2	
10/3	Lecture # 10: Discrete Probability Distribution	Homework # 2 Due: Oct 20
10/8	NO CLASS	
10/10	Exam # 1	
10/15	Lecture # 11: Normal Distribution	Homework # 2 is DUE
10/17	Lecture # 12: Confidence Interval	Homework # 3 Nov 20
10/22	Lecture # 13: Confidence Interval, 2	Homework # 3 Nov 20
10/24	Lecture # 14: Hypothesis Testing	Homework # 3 Nov 20
10/29	Lecture # 15: Hypothesis Testing, Part 2	Homework # 3 Nov 20
10/31	No Class	
11/5	Exam # 2	
11/7		
11/12	Lecture # 16: Testing Two Means	Homework # 3 Nov 20
11/14	Lecture # 17: Testing Two Means, Part 2	Homework # 3 Nov 20
11/19	Lecture # 18: Regression	Homework # 3 Nov 20
11/21	Lecture # 19: Regression, Part 2	Homework # 3 is DUE
11/26	Lecture # 19: Regression, Part 3	

11/28	Lecture # 20: Chi-Square Tests	
11/27	Exam # 3	
11/29	Lecture # 21: Chi-Square Tests	
12/3	Review # 1 for final	
12/5	Review # 2 for final	
12/10	Review # 3 for final	
12/12	Review # 4 for final	
FINAL	TBA	

You need to buy a marble or spiral notebook and a folder dedicated to the Math 111 class.

Classwork - You are expected to attend class regularly and take notes. Please note that there are no make-up HW or exams scheduled. If you miss an exam (does not apply for quiz or HW), and if you promptly provide me, in writing, a verifiable & acceptable excuse for your absence, then you are required to retake it. Extraordinary situations (CUNY sponsored activities, serious health problems, etc.) will be handled on an individual basis but you must communicate with me ASAP. Please remember that it is your responsibility to initiate the procedure if you miss graded material.

Grading Policy: There will be 3 class examinations and a final examination.

Items	Percentage
3 Exams (Full class time)	20X3 = 60%
Final (Final is 2 hours long)	40%

My name is _____, and I have read the syllabus, and agree to uphold all my responsibilities as a student in Math 111(**Sign**) _____ Date :