



Department of Mathematics, Computer & Information Science

**PROBABILITY THEORY
MA 4200 • SYLLABUS SPRING 2018**

Professor: **Frank Sanacory**

Office: **NAB 2014**

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Course Web Site: sanacory.net *Office Hours:* **MW 11:20 – 12:50, T 1:00-2:00**

TEXTBOOK: **BTD**T Study Manual for Course P Examination Probability 2018 Edition by Krzysztof Ostraszewski.

PREREQUISITES: A grade of C or better in Calculus III, MA 3330.

COURSE DESCRIPTION: Sample space, concepts of probability, conditional, marginal and joint probabilities, random variables and functions of random variables; discrete and continuous and other special distributions; moment generating functions; law of large numbers and central limit theorem; conditional expectations, and introduction to stochastic processes.

COURSE OBJECTIVES: After successful completion of this course students should understand the meaning of limits, continuity, and derivatives and be able to use them to solve a variety of problems.

COURSE EVALUATION & GRADING: Your grade for the course will be based on your homework/quiz performance (15%), two tests (50%) and a comprehensive final exam (35%).

A = [94, 100]	B+ = [87, 89]	C+ = [77, 79]	D+ = [67, 69]	F = [0, 59]
A- = [90, 93]	B = [84, 86]	C = [74, 76]	D = [64, 66]	
	B- = [80, 83]	C- = [70, 73]	D- = [60, 63]	

TUTORIAL: Drop-in tutorial is available in the Mathematics Learning Center in the Library.

ACCOMMODATIONS FOR STUDENTS WITH SPECIAL NEEDS:

If you have or suspect you may have a physical, psychological, medical or learning disability that may impact your course work, please contact Stacey DeFelice, Director, The Office of Services for Students with Disabilities (OSSD), NAB, 2065, Phone: 516-628-5666, Fax (516) 876-3005, TTD: (516) 876-3083. E-mail: defelices@oldwestbury.edu.

The office will help you determine if you qualify for accommodations and assist you with the process of accessing them. All support services are free and all contacts with the OSSD are strictly confidential. SUNY/Old Westbury is committed to assuring that all students have equal access to all learning activities and to social activities on campus.

RESPECT: No cell phones in class and no texting.

FINAL EXAM: Date is Tuesday, May 15, 2018 in our regular classroom at the regular class time.