

St. Francis Xavier University
Department of Mathematics,
Computing and Information Systems
Math 333 - Introductory Probability Theory

Instructor: Aaron Childs
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Office Hours:

	Monday	Tuesday	Wednesday	Thursday	Friday
8:15-9:15	Math 333			Math 231	
9:15-10:15	Office Hours			Office Hours	
10:15-11:15	Office Hours	Math 231	Math 333	Office Hours	Office Hours
11:15-12:15				Math 333	Math 231
12:15-1:15					
1:15-2:15	Math 354		Math 354	Math 354	
2:15-3:15	Office Hours	Office Hours	Office Hours		
3:15-4:15		Office Hours			
4:15-5:15					

COURSE INFORMATION

Lectures: NH118 Mondays 8:15, Wednesdays 10:15, and Thursdays 11:15

Topics Covered: Combinatorial analysis, axioms of probability, the law of total probability and Bayes' Theorem, discrete and continuous random variables, mathematical expectation and variance, joint distributions, introduction to moment generating functions and their applications, limit theorems

Textbook: *Mathematical Statistics With Applications*, Fifth Edition, by Wackerly, Mendenhall, and Schaeffer. Published by Duxbury Press.

Reference: *A First Course in Probability*, Fourth Edition, by Sheldon Ross. Published by Macmillan.

Calculators: Any calculator can be used on the tests and exam.

Assignments: There will be six assignments, due anytime before 12 noon on the following dates:

Assignment #1: Tuesday, September 23;	Chapter 2 (Handouts)
Assignment #2: Tuesday, October 7;	Chapter 2 (Handouts)
Assignment #3: Tuesday, October 21;	Sections 3.1-3.9

Assignment #4: Tuesday, November 4;	Sections 4.1-4.7, 7.5
Assignment #5: Tuesday, November 18;	Sections 4.9, 5.1-5.5
Assignment #6: Tuesday, December 2;	Sections 5.6-5.9, 6.3

Note: Assignments handed in anytime after 12 noon on the due dates will receive a grade of 0.

Tests and Final Exam: The tests and exam will be on the following dates:

Test #1: Wednesday October 15
Test #2: Wednesday November 12
Final Exam: (Tentative) Wednesday December 10, 9:00 am

Course Evaluation:

Assignments:	20%
Test #1:	20%
Test #2:	20%
Final Exam:	40%