

St. Francis Xavier University
Department of Mathematics,
Computing and Information Systems
Math 231.10 - Statistics for Students in the Sciences

Instructor: Aaron Childs
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Office Hours:

	Monday	Tuesday	Wednesday	Thursday	Friday
8:15-9:15				Math 231	
9:15-10:15		Office Hours		Office Hours	Office Hours
10:15-11:15		Math 231		Office Hours	Office Hours
11:15-12:15					Math 231
12:15-1:15					
1:15-2:15	Math 366		Math 366	Math 366	
2:15-3:15	Office Hours	Math 435	Office Hours		
3:15-4:15	Office Hours	Math 435	Office Hours		
4:15-4:45		Math 435			

COURSE INFORMATION

Lectures: Tuesdays 10:15, Thursdays 8:15, and Fridays 11:15

Labs: NH 122, Monday, Wednesday, and Thursday at 2:15 and Friday 12:15 on the weeks given below

Topics Covered: Properties of probability; discrete and continuous random variables including binomial, normal, t - and χ^2 distributions; descriptive statistics; graphical representations of data including stem and leaf plots and histograms; point and interval estimation; hypothesis testing; introduction to linear regression

Textbook: *Introductory Statistics*, by Sheldon Ross. Published by McGraw Hill

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

Formula Sheet: Some formulas will be given on the exam.

Assignments: There will be six assignments, due at the beginning of class on the following dates:

[Assignment #1:](#) Tuesday, September 22; Sections 4.1-4.5, 5.1-5.4
[Assignment #2:](#) Tuesday, October 6; Sections 5.1-5.5, 6.1-6.6, 7.5
[Assignment #3:](#) Tuesday, October 20; Sections 2.1-2.6, 3.1-3.7, 7.1-7.4
[Assignment #4:](#) Tuesday, November 3; Sections 8.1-8.7, 9.1-9.5
[Assignment #5:](#) Tuesday, November 17; Sections 10.1-10.6,
[Assignment #6:](#) Tuesday, December 1; Sections 12.1-12.9

Note: Assignments handed in anytime during or after class will receive a grade of 0.

Labs: There will be six labs, to be held the week of:

Lab #1: The week of September 14-18
Lab #2: The week of September 28 to October 2
Lab #3: The week of October 12-16
Lab #4: The week of October 26-30
Lab #5: The week of November 9-13
Lab #6: The week of November 23-27

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

Quiz #1 Tuesday September 15
Quiz #2 Tuesday September 29
[Test #1:](#) Tuesday October 13
Quiz #3 Tuesday October 27
[Test #2:](#) Tuesday November 10
Quiz #4 Tuesday November 24
Final Exam: To be determined

Course Evaluation:

Assignments: 10%
Labs 10%
Test #1: 15%
Test #2: 15%
Quizzes: 10%
Final Exam: 40%