St. Francis Xavier University
Department of Mathematics, Computing and Information Systems
Math 231 - 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 110			Math 231	
9:15-10:15				Office Hours	Office Hours
10:15-11:15		Math 231	Math 110	Office Hours	Office Hours
11:15-12:15				Math 110	Math 231
12:15-1:15					
1:15-2:15	Office Hours	Office Hours	Office Hours		
2:15-3:15	Office Hours	Office Hours	Office Hours		
3:15-4:15					
4:15-5:15					

COURSE INFORMATION

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

Labs: Block G and C_3 on the weeks given below

Topics Covered: Properties of probability; discrete and continuous random variables including binomial, normal and *t*-distributions; descriptive statistics; graphical representations of data including stem and leaf plots, histograms and Q-Q plots; point and interval estimation; hypothesis testing and data mining; introduction to analysis of variance and 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 tests and exam.

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

Assignment #1: Wednesday September 25;   Sections 4.1-4.5, 5.1-5.4
Assignment #2: Wednesday October 9;   Sections 5.5,6.1-6.5,6.7,7.5,9.2,9.5
Assignment #3: Wednesday October 23;   Sections 2.1-2.5, 3.1-3.6, 7.1-7.4

Assignment #4: Wednesday November 6;   Sections 8.1-8.7, 9.3-9.4
Assignment #5: Wednesday November 20;   Sections 10.1-10.6, 11.1-11.2
Assignment #6: Wednesday December 4;   Sections 11.3-11.4,12.1-12.10,3.7
(Optional)

Labs:　　　　　There will be five labs, to be handed in with Assignments 2-6 respectively, and to be held the week of:

Lab #1: The week of September 30 to October 4
Lab #2: The week of October 14-18
Lab #3: The week of October 28 to November 1
Lab #4: The week of November 11 to November 15
Lab #5: The week of November 25-29

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

Test #1:　　Tuesday October 15
Test #2:　　Tuesday November 12
Final Exam:　To be determined

Course Evaluation:　　　Assignments: 20%
Test 1:　　　20%
Test 2:　　　20%
Final Exam:　40%