

St. Francis Xavier University
Department of Mathematics,
Computing and Information Systems
Math 231.20 - 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 232	
9:15-10:15				Office Hours	Office Hours
10:15-11:15		Math 232	Math 110	Office Hours	Office Hours
11:15-12:15				Math 110	Math 232
12:15-1:15					
1:15-2:15	Math 231	Office Hours	Math 231	Math 231	
2:15-3:15	Office Hours	Office Hours	Office Hours	Office Hours	
3:15-4:15	Office Hours		Office Hours		
4:15-5:15					

COURSE INFORMATION

Lectures: NHB20 Mondays 1:15, Wednesdays 1:15, and Thursdays 1:15

Labs: You will go to one of the following labs on the weeks given below.

- Block B₁: Mondays at 9:15 in Xavier Hall 126
- Block E₁: Tuesdays at 1:15 in Nicolson Hall 123
- Block H₂: Thursdays at 8:15 in Xavier Hall 126
- Block K₂: Thursdays at 10:15 in Xavier Hall 126
- Block J₃: Thursdays at 12:15 in Nicolson Hall 123

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, histograms and Q-Q plots; 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 tests and exam.

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

Assignment #1: Tuesday, January 21; Sections 4.1-4.5, 5.1-5.4
Assignment #2: Tuesday, February 4; Sections 5.1-5.5, 6.1-6.6, 7.5
Assignment #3: Tuesday February 18; Sections 2.1-2.6, 3.1-3.7, 7.1-7.4
Assignment #4: Tuesday March 11; Sections 8.1-8.7, 9.1-9.5
Assignment #5: Tuesday March 25; Sections 10.1-10.6,
Assignment #6: Tuesday April 8; Sections 12.1-12.9

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

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 January 27 to 31
Lab #2: The week of February 10 to 14
Lab #3: The week of March 3 to 7
Lab #4: The week of March 17 to 21
Lab #5: The week of March 31 to April 4

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

Test #1: Wednesday February 12
Test #2: Wednesday March 19
Final Exam: To be determined

Course Evaluation:

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