

St. Francis Xavier University
Department of Mathematics,
Computing and Information Systems
Math 231.20 - Statistics for Students in the Sciences

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Office Hours:

	Monday	Tuesday	Wednesday	Thursday	Friday
8:15-9:15				Math 331	
9:15-10:15		Office Hours		Office Hours	Office Hours
10:15-11:15		Math 331		Office Hours	Office Hours
11:15-12:15					Math 331
12:15-1:15					
1:15-2:15	Math 231		Math 231	Math 231	
2:15-3:45	Office Hours		Office Hours		
3:45-5:00	Math 333		Math 333		

COURSE INFORMATION

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

Labs: **NH22:** Mondays at 9:15, Wednesday and Thursday at 2:15
NH123: Thursdays at 9:15, 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:

<u>Assignment #1:</u>	Thursday, January 21;	Sections 4.1-4.5, 5.1-5.4
<u>Assignment #2:</u>	Thursday, February 4;	Sections 5.1-5.5, 6.1-6.6, 7.5
<u>Assignment #3:</u>	Thursday, February 18;	Sections 2.1-2.6, 3.1-3.7, 7.1-7.4
<u>Assignment #4:</u>	Thursday, March 11;	Sections 8.1-8.7, 9.1-9.5
<u>Assignment #5:</u>	Thursday, March 25;	Sections 10.1-10.6,
<u>Assignment #6:</u>	Thursday, April 8;	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 January 11 to January 15
- Lab #2: The week of January 25 to January 29
- Lab #3: The week of February 8 to February 12
- Lab #4: The week of February 22 to February 26
- Lab #5: The week of March 15 to March 19
- Lab #6: The week of March 29 to April 2

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

Quiz #1	Thursday January 14
Quiz #2	Thursday January 28
<u>Test #1:</u>	Thursday February 11
Quiz #3	Thursday February 25
<u>Test #2:</u>	Thursday March 18
Quiz #4	Thursday April 1

Final Exam: 9:00am on Wednesday April 14

Course Evaluation:

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