

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

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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: NH20, Tuesdays 10:15, Thursdays 8:15, and Fridays 11:15

Labs: Xavier Hall 126, 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 anytime before 12 noon on the following dates:

Assignment #1: Wednesday, September 24; Sections 4.1-4.5, 5.1-5.4
Assignment #2: Wednesday, October 8; Sections 5.1-5.5, 6.1-6.6, 7.5

Assignment #3: Wednesday, October 22; Sections 2.1-2.6, 3.1-3.7, 7.1-7.4
Assignment #4: Wednesday, November 5; Sections 8.1-8.7, 9.1-9.5
Assignment #5: Wednesday, November 19; Sections 10.1-10.6,
Assignment #6: Wednesday, December 3; 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 six labs, to be held the week of:

Lab #1: The week of September 15 to 19
Lab #2: The week of September 29 to October 3
Lab #3: The week of October 13 to 17
Lab #4: The week of October 27 to 31
Lab #5: The week of November 10 to 14
Lab #6: The week of November 24 to 28

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

Test #1: Tuesday October 14
Test #2: Tuesday November 11
Final Exam: (Tentative) Saturday December 6, 9:00 am

Course Evaluation:

Assignments:	15%
Labs	10%
Test #1:	15%
Test #2:	15%
Final Exam:	45%

Or:

Assignments:	15%
Labs	10%
Test #1:	12.5%
Test #2:	12.5%
Quizzes:	10%
Final Exam:	40%