

**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:**

	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
<b>8:15-9:15</b>				Math 231	
<b>9:15-10:15</b>		Office Hours		Office Hours	Office Hours
<b>10:15-11:15</b>		Math 231		Office Hours	Office Hours
<b>11:15-12:15</b>					Math 231
<b>12:15-1:15</b>					
<b>1:15-2:15</b>	Math 366		Math 366	Math 366	
<b>2:15-3:15</b>	Office Hours	Math 435	Office Hours		
<b>3:15-4:15</b>	Office Hours	Math 435	Office Hours		
<b>4:15-4:45</b>		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  $\chi^2$  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>	Tuesday, September 22;	Sections 4.1-4.5, 5.1-5.4
<u>Assignment #2:</u>	Tuesday, October 6;	Sections 5.1-5.5, 6.1-6.6, 7.5
<u>Assignment #3:</u>	Tuesday, October 20;	Sections 2.1-2.6, 3.1-3.7, 7.1-7.4
<u>Assignment #4:</u>	Tuesday, November 3;	Sections 8.1-8.7, 9.1-9.5
<u>Assignment #5:</u>	Tuesday, November 17;	Sections 10.1-10.6,
<u>Assignment #6:</u>	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
<u>Test #1:</u>	Tuesday October 13
Quiz #3	Tuesday October 27
<u>Test #2:</u>	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%