COURSE OUTLINE

Introduction to Quantitative Methods in Geography

Office Hours: Monday   1:30 – 3:00 PM
                          Thursday 1:30 – 3:00 PM

Office Location: Turpin B352

Contact: (250) 721-7337   msf@uvic.ca

COURSE DESCRIPTION

From satellites continuously orbiting the globe, sensors placed on the ocean floor, social network sites like Facebook, from teams of students coring trees or conducting interviews in First Nations communities, data are being collected everywhere and all the time. While computers allow us to store massive amounts of data, statistical methods are essential to the process of extracting useful information. If your passion is the environment, statistics help us to understand the impacts of

Lecture	Date	Topic	Lab
0	**January 7**	Course Intro	
1	10	Measurement	
2	14	Descriptive Statistics	0 – Intro Lab (no credit)
3	17	Probability	
4	21	Conditional Probability and Odds	1 – Descriptive Statistics
5	25	Sampling	
6	28	Normal Curve and Z Scores	2 - Probability
7	31	Large Sample Confidence Interval	
8	**February 4**	Small Sample Confidence Interval	3 – Sampling/Z Scores
9	**7**	Hypotheses	
10	11	Goodness of Fit Tests	4 – Confidence Intervals
11	14	**TEST 1**	
	18	**READING BREAK**	
	21	Multi Sample tests	
12	25	t-tests	5 – Chi-Square
13	28	Paired t/ANOVA	
14	**March 4**	ANOVA	6 – t tests
15	7	Correlation	
16	11	Correlation	7 - ANOVA
17	14	**TEST 2**	
18	18	Regression	8 - Correlation
19	21	Regression	
20	25	Nonparametric	9 - Regression
21	28	Research Design	
22	**April 1**	**REVIEW**	