

GEOGRAPHY AND PLANNING

GPHY 247 – Introduction to Statistics



Contact Time	1 1-hour lecture, 1 1-hour help session 1x 1.5-hour lab tutorial per week	
Format	Lectures, tutorials, and Labs	
Class Assessment	Lab tutorial Assignments	20%
	Online Quizzes (software skills and weekly quizzes)	30%
	Term tests (2)	20%
	Final Exam	30%

COURSE OVERVIEW

The purpose of this course is to improve your numeracy and critical thinking skills to help you make better decisions in both your personal and professional life. To achieve this, you will learn about probability, how to make sense of raw data, how best to describe data to others, and how to solve problems and test predictions using statistics. The components of this course have been carefully designed to maximize your opportunities to learn in an engaging and supportive environment.

COURSE TOPICS

Study designs and sampling, descriptive statistics, visualizations, probability, sampling distributions, hypothesis testing, T-tests, Chi-square test, linear regression, single-factor and two-factor ANOVA.

COURSE READINGS

Nelson & Beyer, 2021. Taking the anxiety out of statistics. <https://he.kendallhunt.com/product/taking-anxiety-out-statistics>. Other recommended readings and videos will be posted on onQ.