GEOG*2460 Analysis in Geography
DEPARTMENT OF GEOGRAPHY, ENVIRONMENT AND GEOMATICS
COURSE OUTLINE- Fall 2018
Provisional

Instructor: Dr. L.J. Brown
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Prerequisite: 0.50 credits at the 1000 level in Geography

Course Description:
This course will introduce analytical techniques commonly used in geography, and in other natural and social sciences. It will emphasize the use of quantitative information in geography including data collection and analysis. Analytical procedures will include graphical presentation of data, descriptive statistics, spatial statistics, application of probability and sampling theory, and inferential statistics. The course will focus on when and why these tools should be applied, how analytical procedures are conducted and the interpretation of the results. Computers and data analysis software will be used.

Learning Objectives:
• To learn how to use quantitative tools for the description and analysis of geographic data;
• To develop critical analytical skills for the evaluation of geographic research; and
• To learn how to undertake statistical analyses using common computer programs (R and Excel).

Course Organization and Presentation:
Lectures for GEOG*2460 are scheduled for Tues. and Thurs. 11:30AM-1:20PM in THRN 1307. In addition to the lectures, there are 2-hour lab sessions most weeks that students must attend.

There is a courselink page used to make class announcements, post the reading list, post incomplete lecture slides as .pdf files, post grades, post weblinks and to communicate with your classmates. A discussion forum had been set up where you can exchange ideas with your classmates. To access this resource you should be using your central account ID and password. This is the same login ID and password that is used to access your University of Guelph GryphMail and WebAdvisor.

Students are expected to take notes in class to supplement the posted lecture material. If you are unable to attend class it is your responsibility to get the notes from one of your classmates. Lectures may include occasional guest lectures and selected multimedia material.

Textbook:
There is no required textbook for this course. Additional resources and readings will be provided when required.
**Method of Evaluation:**
Labs 24%
Mid-term1 15%
Mid-term2 25%
Final Exam 30%
Lecture Component 6% (Top Hat)
- In-class completed activities

Lab assignments are due at the beginning of the following scheduled lab (see lab schedule). The **late penalty for labs is 25% per day**, so it is best to get them in on time. If you have a legitimate reason for an extension you must contact your GTA and make arrangements for a new deadline before your assignment is due.

The final exam contains a multiple part question that covers the laboratory material. Students must obtain an overall average of **50%** in the combined mid-terms and final exam to pass the course.

**Expectations:**
Students are expected to be respectful of their peers, GTAS, and the course instructor (i.e., if you wish to talk with your friends, update your Facebook account, or use your cell phone please do so outside of class). Lectures are intended to supplement the assigned readings, so students should review this material prior to class. Some in-class discussions will be based on assigned readings, and these must be completed before class.

**Course Policies:**
**Academic Misconduct**
Please note that academic misconduct and dishonesty is a serious offence at the University of Guelph. This includes the copying or sharing materials submitted for your lab assignments. You are encouraged to work together but you must submit your own work. The University’s policy on academic dishonesty will be strictly enforced. If you are unfamiliar with these policies please visit: [https://www.uoquelph.ca/secretariat/office-services/student-judicial-services/non-academic-misconduct/policy-non-academic-misconduct](https://www.uoquelph.ca/secretariat/office-services/student-judicial-services/non-academic-misconduct/policy-non-academic-misconduct)