

DEPARTMENT OF GEOGRAPHY - UNIVERSITY OF VICTORIA
COURSE HANDOUT - GEOGRAPHY 329
GIS APPLICATIONS AND TOOLS
Spring 2016

The University of Victoria is committed to promoting, providing and protecting a positive and safe learning and working environment for all its members

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(SSM B322, Local 7338) (N48°27'52" W123°18'52")

Class time Tuesday

This course employs Problem Based Learning as a key foundation to learning. To that end, we will build upon the step-by-step approach taken in your lower level GIS/RS courses. The assignments are based upon a problem that needs to be solved rather than multiple questions. You are introduced to the skills and resources necessary to solve the problem. These resources include videos, readings, online help, and examples. You are then expected to write up how you solved it and to present your solution and the rationales of the approaches you took to do so. I recommend using both headphones (for the video resources) and a USB drive (for your data collection and backup).

Learning Outcomes ability to employ GIS to solve wide ranging problems;
ability to use selected components of advanced GIS modeling applications;
ability to customize online mapping products (Google Earth, ArcGIS Online);
ability to use model builder, geoprocessing tools, and scripts;
skills and experience of a leading GIS platform (ArcGIS 10.2);
integration of diverse datasets and data models;
development of presentation and report writing skills

Class Meetings Class will meet on a regular basis twice a week (see schedule attached). Attendance in class is expected in order for you to understand and complete lab assignments, and to pass examinations. *No Audio or Video recordings are allowed.*

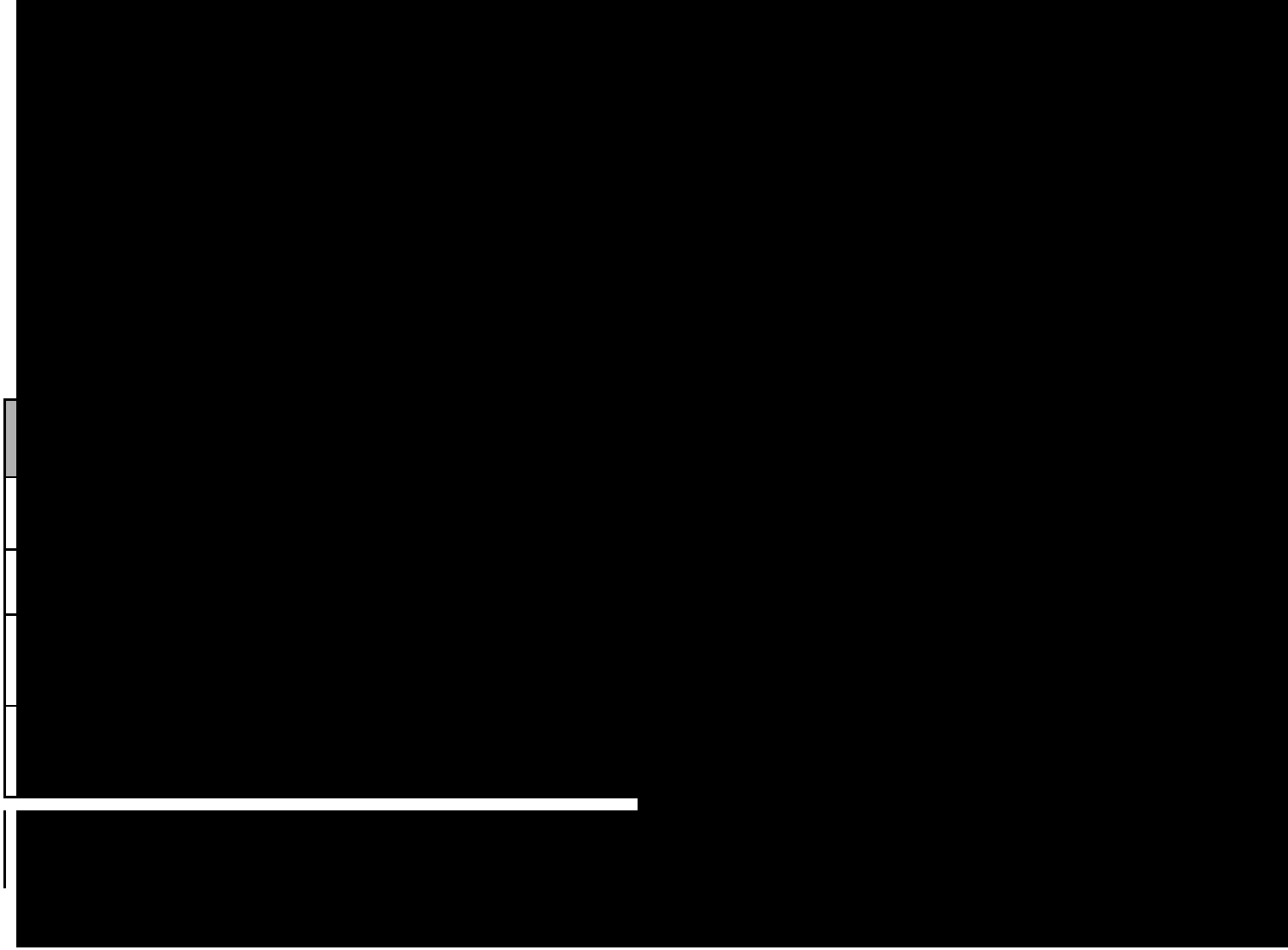
Labs This course includes 5 graded lab reports, and a lab presentation (see schedule attached). **You will have space on our servers to complete assignments.** **only materials relating to 323 can be stored – no personal or private materials.**

material allowed.

Examinations There will be a mid term and a final examination.

Important Dates and Course Evaluations

Component		Value	Dates
A	Lab assignments	45	5 Reports – see below
	Mid term		
B			



[Redacted]

Example of Type of Evaluation of the Lab Assignments's reports

Note: these percentages are altered depending on the assignment – which will be posted on the assignment and on Moodle in advance.