

DIGITAL CARTOGRAPHY  
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.*

**Instructor** Dr. Ian J. O'Connell, (ianoc@uvic.ca) DTB B322, Local 7338

**Lab Instructor** John Fowler (Senior Lab Instructor)

**Class time** Tuesday 9:30 - 10:20 COR B107  
Wednesday 9:30 - 10:20 COR B107

**Office Hours** See CourseSpaces or by appointment

**Pre-requisites** Geog 222 and Geog 226

**Course Objectives** introduces the art and science of cartography:  
consolidate understanding of fundamentals of geographic information;  
introduce thematic mapping;  
introduce map design concepts;  
complete a map design and creation project

**Learning Outcomes** overview of the history and evolution of cartography;  
ability to apply core concepts in thematic map design;  
proficiency in the use of CorelDraw to produce thematic maps.

**Warning** This class includes both labs and a final project. The final project takes **considerable** time to complete. However, with sufficient planning the task should not be onerous. Much of the work for the project occurs in the *last* third of the semester. Please make sure you schedule your time effectively.

Academic integrity requires commitment to the values of honesty, trust, fairness, respect and responsibility. It is expected that students, faculty members and staff at the University of Victoria, as members of an intellectual community, will adhere to these ethical values in all activities related to learning, teaching, research and service. Any action that contravenes this standard, including misrepresentation, falsification or deception, undermines the intention and worth of scholarly work and violates the fundamental academic rights of members of our community. Students are advised to consult the university's Policy on Academic Integrity in the University Calendar. The instructor reserves the right to use plagiarism detection software programs to detect plagiarism in term papers.

## Course Components

**Class Meetings** Class will meet on a regular basis twice a week. Attendance in class is expected in order for you to understand and complete lab assignments, and to pass examinations. No audio or video recordings of class are permitted without prior written consent of the course instructor.

**Labs** This course includes 6 graded lab assignments and a final project. **You will have space on our servers to complete assignments – only materials relating to 323 can be stored – no personal or private material allowed. All assignments must be submitted digitally (to your Z drive) as well as in hard copy.**

**Examinations** There will be a midterm and a final examination.

### Course Evaluations and Deadline Dates

Component		Value	Dates
A	Lab assignments (6)	25%	Weekly (See Below)
	Project submission	20%	<b>Monday April 4th (11.59AM)</b>
B	Mid term	15%	Wednesday 17th February
	Final	40%	Exam Period

### Late Assignments

Lab assignments are due during your scheduled lab time. Deadline for submission of lab assignments will be given to you during labs. Students submitting labs late will be penalized. The initial late penalty is **25%**. For every day after that, you will lose **25%** per day. An 'N' grade is given when a student has missed one or more components of a course and does not reach a passing grade. **Failure to complete an exam (midterm, final project or final) without permission from the instructor will result in an 'N' grade, which equals a Grade Point Value of 0).** Exceptions will only be granted for medical reasons (requiring a written report from a medical practitioner as soon as possible stating your inability to attend class). The written report must be submitted as soon as possible. Exceptions can only be granted by the course instructor.

### Readings and Course Help

This course has no required text. However, readings will be assigned in class. This will happen weekly, and these readings will constitute material that is examinable. Some references will be websites.

I will try to make available copies of the slides etc. before the beginning of class. These copies will be placed online on CourseSpaces (Make sure that you have a UVic NETLINK ID to access these).

**Electronic devices for use during exams are limited to non-graphing scientific calculators unless otherwise expressly permitted by the course instructor.**

### Tentative Course Outline

1. Introduction and Overview
2. Thematic Mapping
3. Thematic mapping of Points
4. Thematic mapping of Lines
5. Thematic mapping of Polygons
6. Classification Schemes
7. Typography
8. Colour and its relevance to Cartography
9. Introduction to Topographic Mapping
10. History of Cartography

## Lab Outline and Dates

<b>Date (Week Beginning)</b>	<b>Lab</b>
11th January	LAB 0 : Introduction to CorelDRAW (0%)
18th January	LAB 1: Map Making with CorelDRAW (2%)
25th January	LAB 2: Proportional Symbols (4%)
1st February	LAB 3: Thematic Mapping Techniques (5%)
15th February	LAB 4: Choropleth Mapping(5%)
22nd February	LAB 5: Text Placement (4%)
29th February	LAB 6: Journalistic Mapping (5%)
7th March	<b>Project Work</b>
14th March	
21st March	

## GRADING INFORMATION

<i>Passing Grades</i>	<i>Description</i>
A+ A A-	<b>Exceptional, outstanding and excellent</b> performance. Normally achieved by a minority of students. These grades indicate a student who is self-initiating, exceeds expectation and has an insightful grasp of the subject matter.
B+ B B-	<b>Very good, good and solid</b> performance. Normally achieved by the largest number of students. These grades indicate a good grasp of the subject matter or excellent grasp in one area balanced with satisfactory grasp in the other area.
C+ C	<b>Satisfactory, or minimally satisfactory.</b> These grades indicate a satisfactory performance and knowledge of the subject matter.
D	<b>Marginal</b> Performance. A student receiving this grade demonstrated a superficial grasp of the subject matter.
COM	<b>Complete</b> (pass). Used only for 0-unit courses and those credit courses designated by the Senate. Such courses are identified in the course listings.

**The grading scale (which percentages equal which letter grade)**

A+	A	A-	B+	B	B-	C+	C	D	F
90-100%	85-89%	80-84%	77-79%	73-76%	70-72%	65-69%	60-64%	50-59%	49% or Less

**Course Experience Survey (CES)**

I value your feedback on this course. Towards the end of term, as in all other courses at UVic, you will have the opportunity to complete an anonymous survey regarding your learning experience (CES). The survey is vital to providing feedback to me regarding the course and my teaching, as well as to help the department improve the overall program for students in the future. The survey is accessed via MyPage and can be done on your laptop, tablet, or mobile device. I will remind you and provide you with more detailed information nearer the time but please be thinking about this important activity during the course.

**Geography Departmental web site:** <http://geography.uvic.ca/>  
**GEOPLAN** planning guide: <http://www.geog.uvic.ca/moodle/> [Login as a guest]  
**Undergraduate Advisor:** Dr. Phil Wakefield (philw@geog.uvic.ca)  
**Graduate Advisor:** Dr. Denis Jelinski (jelinski@office.geog.uvic.ca)

*Students with diverse learning styles and needs are welcome in this course. In particular, if you have a disability/health consideration that may require accommodations, please feel free to approach me and/or the Resource Centre for Students with a Disability (RCSD) as soon as possible. The RCSD staff are available by appointment to assess specific needs, provide referrals and arrange appropriate accommodations <http://rcsd.uvic.ca/>. The sooner you let us know your needs the quicker we can assist you in achieving your learning goals in this course.*