

DEPARTMENT OF GEOGRAPHY - UNIVERSITY OF VICTORIA
COURSE OUTLINE - GEOGRAPHY 222
INTRODUCTION TO MAPS AND GIS

Fall 2017

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)

Class time Monday 12:00 - 12:50 DTB A110
Tuesday 12:00 - 12:50 DTB A110

Labs
B01- M 1300-1450 DTB A251
B02- T 1030-1220 DTB A251
B03- T 1430-1620 DTB A251
B04- W 0830-1020 DTB A251
B05- W 1230-1420 DTB A251
B06- R 1430-1620 DTB A251

Office Hours See CourseSpaces or *by appointment*

Course Objectives introduce fundamentals of geographic information;
introduce different types of maps and map reading;
introduce Geographic Information Systems;
gain familiarity with GIS software; and
introduce digital mapping
introduce GIS applications

Learning Outcomes ability to complete continuous and discrete geo-referencing;
ability to read and calculate scales;
ability to understand, evaluate and select suitable map projections;
ability to classify geographic information;
ability to differentiate between different types of maps;
describe how GIS can be used to solve problems;
ability to explore GIS data, metadata and maps;
basic digital GIS map skills;

Warning 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 (<http://web.uvic.ca/calendar2015-01/FACS/UnIn/UARe/PoAcl.html>) For more details follow this link <http://www.uvic.ca/learningandteaching/students/resources/expectations/>

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. Attendance will be taken. **Audio or video recordings are expressly forbidden unless approved in writing (in advance) by the course instructor.**

Labs This course includes 7 graded lab assignments and 1 graded Lab Exam. You will have space on our servers to complete assignments – only materials relating to Geog222 can be stored or printed– personal or private materials are **expressly forbidden** to be stored on our servers.

Examinations There will be one mid-term, a Lab exam, and a final examination.

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

Course Evaluations

	Value	Dates
Lab Assignments	30%	(See below)
Lab Exam	15%	Week of 20 th November
Midterm	15%	Monday 16 th October
Final Exam	40%	Exam Period

Week	Dates	Lab	Due
Week 1	Sept. 6 th - Sept. 8 th	No Lab	
Week 2	Sept. 11 th - Sept. 15 th	Lab 1 Coordinate Systems, Map Projections, and Scale (4%)	
Week 3	Sept. 18 th - Sept. 22 nd	Lab 2 Introduction to ArcGIS (4%)	Lab 1
Week 4	Sept. 25 th - Sept. 29 th	Lab 3 Attribute and Spatial Queries (4%)	Lab 2
Week 5	Oct. 2 nd - Oct. 6 th	Lab 4 Buffers (4%)	Lab 3
Week 6	Oct. 9 th - Oct. 13 th	Thanksgiving	
Week 7	Oct. 16 th - Oct. 20 th	Lab 5 Overlays (5%)	Lab 4
Week 8	Oct. 23 rd - Oct. 27 th	Lab 6 Raster Analysis (5%)	Lab 5
Week 9	Oct. 30 th - Nov. 3 rd	Lab 7 Network Analysis (4%)	Lab 6
Week 10	Nov. 6 th - Nov. 10 th	Lab Review	Lab 7
Week 11	Nov. 13 th - Nov. 17 th	Reading Break	
Week 12	Nov. 20 th - Nov. 24 th	Lab Exam (15%)	
Week 13	Nov. 27 th - Nov. 30 th	No Lab	

NOTE:

22nd September – Last day for adding courses that begin in the first term.

31st October – Last day for withdrawing from first term courses without penalty of failure

Readings and Course Help

I will try to make available copies of the slides etc. before the beginning of class. These copies will be placed online on CourseSpaces (Please make sure that you have a UVic NETLINK ID to access these). I may from time to time also post relevant readings on CourseSpaces – these will be examinable. There is no textbook for this course. The posted slides are not to be regarded as an alternative to attendance – as they are not fully comprehensive of what is discussed in class.

Late Assignments

Lab assignments are due at the **beginning of Lab**. After **5 Minutes**, they will be deemed late. 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 assignment or exam (midterm, lab exam 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. Only the course instructor can grant exceptions.

University Grading Scale

Grade	Grade point value	Grade scale	Description
A+ A A-	9 8 7	90-100% 85-89% 80-84%	Exceptional, outstanding and excellent 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-	6 5 4	77-79% 73-76% 70-72%	Very good, good and solid 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	3 2	65-69% 60-64%	Satisfactory, or minimally satisfactory . These grades indicate a satisfactory performance and knowledge of the subject matter.
D	1	50-59%	Marginal Performance. A student receiving this grade demonstrated a superficial grasp of the subject matter.
F	0	0-49%	Unsatisfactory performance. Wrote final examination and completed course requirements; no supplemental.
N	0	0-49%	Did not write examination or complete course requirements by the end of term or session; no supplemental.

Lab Guidelines for The Geomatics Teaching Laboratory (David Turpin Building A251/A253)

- Use of this lab and facilities is governed by UVic's Responsible Use for Information Technology Services (Policy 6030). Please familiarize yourself with this policy.

- Time may be required outside the scheduled lab hours to complete laboratory assignments. Check the schedules posted outside of A251 and A253 for available times.
- **All** submitted labs must be typed, 1.5 spaced, 12 point font
- **No submission of labs by e-mail or as attachments.**
- Any discrepancy with lab grades must be reported to your Lab Instructor, the Senior Laboratory Instructor, or the Course Instructor within **seven days** of receiving the marked assignment.
- **Note:** Many of the questions in the lab assignments are designed to test your understanding of the processes you are running. If the lab assignment asks you to explain, or discuss something, a one sentence answer is not sufficient - show that you understand what you are doing. **Plagism and/or copying answers from each other OR straight out of the lab manual verbatim will not be tolerated, and will result in a zero.**
- The Geomatics Teaching Laboratory (David Turpin Building A251/A253) is open daily from 8:30 am to 4:30 pm. Access to the Laboratory is restricted after 4:30 pm for security purposes.
- You are permitted to print a maximum of 40 pages using the Laboratory's printer.

GEOGRAPHY DEPARTMENT INFO

- Geography Department website: <http://geog.uvic.ca>
- Undergraduate Advisor: Dr. Phil Wakefield – geogadvisor@uvic.ca

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.

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

Please note: You are under no obligation to disclose your disability.

The presented schedules, policies, procedures, and assignments in this course are subject to change.