

DEPARTMENT OF GEOGRAPHY - UNIVERSITY OF VICTORIA

COURSE OUTLINE - GEOGRAPHY 222

INTRODUCTION TO MAPS AND GIS (A01-A06)

Spring 2015

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 10:00 - 10:50 DTB A110 Thursday 10:00 - 10:50 DTB A110
Labs	DTB A251/DTB A253
Office Hours	See CourseSpaces or <i>by appointment</i>
Course Objectives	introduce fundamentals of geographic information; introduce different types of maps and map reading; introduce Geographic Information Systems; gain familiarity with GIS software; introduce digital mapping; and 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; basic hands-on GPS experience; 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. The instructor reserves the right to use plagiarism detection software programs to detect plagiarism in term papers.
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. <i>No audio or video recordings are permitted unless approved in writing (in advance) by the course instructor</i>

Labs/Lab Exam This course includes **8** graded lab assignments and **1** graded Lab Exam. You will have space on our servers to complete assignments – only materials directly relating to Geog222 can be stored – absolutely **no** personal or private material allowed.

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

Readings and Course Help

REQUIRED Textbook : An Introduction to Geographical Information Systems – *Custom Edition* – Ian Heywood, Sarah Cornelius and Steve Carver

This text has been custom designed for Geog222. Readings will be assigned weekly; other online resources may also be posted. The textbook readings, posted readings, along with lecture material and lab materials, **will** constitute material that is **examinable**.

LECTURE HANDOUTS

Topic handouts based on lecture presentations will be provided. They will be posted on CourseSpaces the evening before the next lecture. Topic handouts will be removed 7 days after the posting date. Students are responsible for downloading/saving and completing notes packages. If you miss any material please make arrangements to get handouts from a fellow student, not the instructor.

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%	Weekly at beginning of Lab time (See below)
Lab Exam	10%	Week of 23 rd March
Midterm	20%	Thursday 19 th February
Final Exam	40%	Exam Period – See Calendar for details

Lab Schedule (week of)

LAB 1: Map Projections and Coordinate Systems	(4%)	Jan 12 th
LAB 2: Scale	(4%)	Jan 19 th
LAB 3: Introduction to ArcGIS	(4%)	Jan 26 th
LAB 4: Data Collection and Presentation	(3%)	Feb 2 nd
<i>Reading Break</i>		<i>Feb 9th</i>
LAB 5: Attribute and Spatial Queries	(3%)	Feb 16 th
LAB 6: Buffer	(4%)	Feb 23 rd
LAB 7: Overlay	(4%)	Mar 2 nd
LAB 8: Raster Analysis	(4%)	Mar 9 th
<i>Lab Review</i>		<i>Mar 16th</i>
LAB EXAM	(10%)	Mar 23 rd

Late Assignments

Lab assignments are due at **beginning** of your scheduled lab time. 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 (Labs) 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. The course instructor can only grant exceptions.

University Grading Scale

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%	0-49%

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 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 staffs 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.