

DEPARTMENT OF GEOGRAPHY - UNIVERSITY OF VICTORIA
COURSE OUTLINE - GEOGRAPHY 325 A01
FIELD SURVEYING
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, 250-721-7338)
Class time	Tuesday 8.30 - 9:20 COR A129 Wednesday 8.30 - 9:20 COR A129
Labs	B01 T 0930-1220 DTB B303 B02 W 1030-1320 DTB B303 B03 R 0830-1120 DTB B303 B04 R 1330-1620 DTB B303 B05 F 0930-1220 DTB B303
Office Hours	See CourseSpaces or <i>by appointment</i>
Course Objectives	<ul style="list-style-type: none">- introduce the techniques and procedures of field surveying;- consolidate understanding of fundamentals of geographic information;- introduce leveling, stadia and precision traversing;- complete individual and group field surveying exercises
Learning Outcomes	<ul style="list-style-type: none">- ability to apply core concepts in field surveying;- proficiency in the ability to correctly record and calculate field surveying measurements;- familiarity with surveying equipment;- appreciation of error and error method corrections.
Class Meetings	Class will meet on a regular basis twice a week. Attendance in class is mandatory and expected in order for you to understand and complete lab assignments, and to pass examinations. Note: Not all material may be posted on CourseSpaces
Field Projects	<i>NOTE: No Audio or Video recordings of Lectures or Labs permitted</i> This course includes graded field projects and 4 mandatory assignments
Examinations	There will be one mid-term and a final examination.
Course Topics include:	Declination Azimuths Horizontal and Vertical Control systems Field Traversing Stadia Departures and Latitudes Precision Traversing Differential Leveling Precision Contouring

LAB TIMETABLE F2017

Week of:

Sep 11:	Field Orientation		
Sep 18:	Leveling	*55 marks/7.0%	Due: Man. Leveling Assignment
Sep 25:	Leveling continued		Due: Leveling Reports
Oct 2:	Height of Objects	25 marks/5.0%	Due: Height of Objects Assignment
Oct 9:	Traverse 1 (TN-connecting)	*75 marks/11.5%	Due: Man. Traverse 1 Assignment
Oct 16:	Traverse 1 continued		
Oct 23:	Traverse 1 continued		
Oct 30:	Traverse 2 (UTM-closed loop)	*75 marks/11.5%	Due: Traverse 1 Reports
Nov 6:	Traverse 2 continued		Due: Man. Traverse 2 & DMD Assignments
Nov 13:	Reading Break – no labs		
Nov 20:	NEZ Data Collection, Traverse 2 cont.		
Nov 27:	NEZ DTM's (meet in A249)	**20 marks/5.0%	Due: ***Traverse 2 Reports & DTM's

* Report marks include mandatory assignment marks.

** DTM's

*** Reports due **by the beginning of** the lab session.

TN – closed loop w/ DMD

UTM – connecting

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

COURSE EVALUATION **[Students must pass both components in order to receive a passing grade.]**

Component		Value (%)	Dates
A	Field Projects	40	See Above
B	Midterm	15	Tuesday 24th October
	10 Quizzes	1	Tuesday or Wednesday from 8.30 to 8.35
	Final	44	Exam Period

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

SUBMISSIONS AND EXAMS

All lab projects and mandatory assignments must be submitted at the beginning of the Lab Session as shown above, or into the 325 Lab Drop Box (outside DTB B203) before the start of lab. **Late lab projects are subject to a penalty of 25% of the value of the project per day.** For example: Lab start time is Thursday at 8:30. It is late at 8:31 - minus 25%. After 8:30 on the following Friday - minus 50%. And, so on. Weekends count as minus 25%. **Late assignments will not be considered for marks.**

Failure to complete a mandatory assignment, lab project or exam (midterm, 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.

Readings and Course Help

I will try to make copies available 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 and the lab assignments). Note that these do not replace the in-class materials.

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

Equipment Policy

1. Survey instruments and equipment have been purchased specifically for the instruction of this course. Due to the delicate nature of the equipment and the minimal number of instruments for this purpose, the instruments will not be available for use in other courses.
2. Survey instruments and other scientific equipment used in this course must not be used in or near salt water including beach areas below the high water mark.
3. Students are specifically requested NOT to repair, alter or adjust any equipment unless requested to do so by their instructor. Repairs and adjustments of equipment are handled through the course instructor.
4. All equipment required for projects must be used during regularly scheduled lab sections. Students are responsible for the care and security of all equipment while in their possession. Please report any damage or malfunctions promptly to your lab instructor.

5. When setting up instruments please ensure that they are not in vehicle or pedestrian traffic areas. You are responsible for any damage that occurs to the instruments if an accident should occur under these conditions.
6. Students are solely responsible for cleaning all tripods, rods and tapes BEFORE returning them to the trolley. Damp theodolites and total stations should be patted dry and then set in their respective cases with the lids open in order to air dry. Treat all instruments and equipment as though you were going to be the next person to use them.
7. Whilst outside you are required to wear a high visibility vest (supplied).

Campus Regulations

Unless otherwise directed by your lab instructor, no permanent markings can be left on any survey site on campus including pins, hubs, tapes, flags and the painting of objects.

Cutting of trees, branches and permanent flagging of vegetation is specifically prohibited on campus. Students receiving complaints from any campus officials while doing their field work should report such matters to the course instructor (local 7338) as soon as possible.

Note: Students will be expected to use basic trigonometry when working with their survey data. You will need a calculator with trigonometric and decimal degree functions for most of that work. Suitable clothes for field work on muddy or wet areas should be worn for most laboratory exercises.

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.

University Grading Scale

Grade	Grade point value	Grade scale	Description
A+	9	90-100%	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.
A	8	85-89%	
A-	7	80-84%	
B+	6	77-79%	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.
B	5	73-76%	
B-	4	70-72%	
C+	3	65-69%	Satisfactory, or minimally satisfactory. These grades indicate a satisfactory performance and knowledge of the subject matter.
C	2	60-64%	
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.

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 quality of programs 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.

ACCESSIBILITY

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.