



**GEOGRAPHY FINAL COURSE OUTLINE: WINTER 2017  
GEOGRAPHY 357**

**H(3-3)**

**Concepts of GIS**

<b>Section</b>	<b>Days</b>	<b>Times</b>	<b>Location</b>
LEC 01	MoWeFr	10:00 - 10:50	ES 443
LAB 01	Tu	11:00 - 13:50	ES 407
LAB 02	We	13:00 - 15:50	ES 407
LAB 03	Fr	13:00 - 15:50	ES 407

<p>Instructor: Greg McDermid Office: ES 320 Phone: 220-4780 E-mail: <a href="mailto:mcdermid@ucalgary.ca">mcdermid@ucalgary.ca</a> Office Hours: By appointment</p> <p>Course Assistant: Bart Hulshof Office: ES 402 Phone: 220-8855 E-mail: <a href="mailto:bhulshof@ucalgary.ca">bhulshof@ucalgary.ca</a> Office Hours: T-F 8:30-4:30</p>	<p>Teaching Assistants: Tyler Gough Office: TBA E-mail: <a href="mailto:trgough@ucalgary.ca">trgough@ucalgary.ca</a> Office Hours: TBA</p> <p>Man Fai Wu Office: TBA E-mail: <a href="mailto:mfwu@ucalgary.ca">mfwu@ucalgary.ca</a> Office Hours: TBA</p>
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**Please note: The emergency evacuation assembly point for all classes taught in Earth Sciences is ICT Food Court.**

**Official Course Description:**

The technical and theoretical foundations of Geographic Information Systems (GIS). Explorations of data types and structures), metadata, data input and manipulation, analytical basics, and visualization techniques will be carried out in lecture and laboratory. Emphasis on vector-based GIS analysis.

**Prerequisite:** Geography 231 or both 333 and 339.

**Supplementary Fees:** *(field trips etc). N/A.*

**Grading (Weighting):**

1.	Laboratory Assignments	40%
2.	ESRI Virtual Campus Courses	10%
3.	Midterm Exam	17.5%
4.	Final Exam	27.5%
5.	Class Participation	5%

The final exam will be scheduled by the Registrar.

Note: You MUST complete the ESRI Virtual Campus component in order to pass the course as a whole. It is NOT necessary to pass all other elements/components individually in order to pass the course, you must simply obtain a passing average.

The only acceptable reasons for missing an examination or assignment in this class, as listed in the Deferral of Final Examinations section of the University of Calgary Calendar are illness, domestic affliction, or religious conviction. If you miss an assignment or examination, and you provide the appropriate documentation, you will have one opportunity to make up the missed work. Without appropriate documentation, you will receive a zero for that portion of your grade.

**Required Text:**

Longley, P. A., M. F. Goodchild, D. J. Maguire, D. W. Rhind, 2010: Geographic Information Systems and Science, 4<sup>th</sup> Edition 2015; Wiley.

**Recommended Text:**

Northey, M., D. Draper, D.B. Knight, 2015: Making Sense, A Student’s Guide to Research and Writing, 6<sup>th</sup> Edition; Oxford University Press.

*Note:* Readings from other sources may be assigned. Notifications of these will be posted on D2L.

**Grading System:**

96-100	A+	77-80	B	59-61	C-
90-95	A	71-76	B-	55-58	D+
86-89	A-	65-70	C+	50-54	D
81-85	B+	62-64	C	0-49	F

Any course work graded as a letter will receive the midpoint of that letter’s range for calculation purposes. Normal rounding will be performed to the nearest whole number. These grade ranges are not negotiable.

For additional detailed course information posted by the Instructor Desire2Learn at <https://d2l.ucalgary.ca/d2l/home>

**USRI**

At the University of Calgary, feedback provided by students through the Universal Student Ratings of Instruction (USRI) survey provides valuable information to help with evaluating instruction, enhancing learning and teaching, and selecting courses ([www.ucalgary.ca/usri](http://www.ucalgary.ca/usri)). Your responses make a difference - please participate in USRI Surveys.

**Writing across the Curriculum**

Writing skills are not exclusive to English courses and, in fact, should cross all disciplines. The University supports the belief that throughout their University careers, students should be taught how to write well so that when they graduate their writing abilities will be far above the minimal standards required at entrance. Consistent with this belief, students are expected to do a substantial amount of writing in their University courses and, where appropriate, members of faculty can and should use writing and the grading thereof as a factor in the evaluation of student work. The services provided by the Writing Support Services can be utilized by all undergraduate and graduate students who feel they require further assistance.

**Principles of Conduct**

The University of Calgary Calendar includes a statement on the Principles of conduct expected of all members of the University community (including students, faculty, administrators, any category of staff, practicum supervisors and volunteers) whether on or off the University's property. This statement applies in all situations where the members of the University community are acting in their University capacities. All Members of the University Community have a responsibility to familiarize themselves with this statement which is available at: <http://www.ucalgary.ca/pubs/calendar/current/j-2.html>

### **Plagiarism**

Academic dishonesty is not an acceptable activity at the University of Calgary and students are **strongly advised** to read the Student Misconduct section in the University Calendar. Quite often, students are unaware of what constitutes academic dishonesty or plagiarism. The most common are 1) presenting another student's work as your own 2) presenting an author's work or ideas as your own without proper referencing and 3) using work completed for another course. This activity will not be tolerated in this course and students conducting themselves in this manner will be dealt with according to the procedures outlined in the calendar. <http://www.ucalgary.ca/honesty/plagiarism>

### **Academic Accommodations:**

It is the student's responsibility to request academic accommodations according to the university policies and procedures listed below. The student accommodation policy can be found at: [www.ucalgary.ca/policies/files/policies/student-accommodation-policy.pdf](http://www.ucalgary.ca/policies/files/policies/student-accommodation-policy.pdf)

Students needing an accommodation because of a Disability or medical condition should communicate this need to Student Accessibility Services in accordance with the Procedure for Accommodations for Students with Disabilities. The procedure can be found at: [www.ucalgary.ca/policies/files/policies/procedure-for-accommodations-for-students-with-disabilities\\_0.pdf](http://www.ucalgary.ca/policies/files/policies/procedure-for-accommodations-for-students-with-disabilities_0.pdf)

Students needing an accommodation based on a Protected Ground other than Disability, should communicate this need, in writing, to the Instructor.

### **Freedom of Information and Protection of Privacy**

*FOIP:* The Freedom of Information and Protection of Privacy (FOIP) legislation disallows the practice of having students retrieve assignments from a public place, e.g., outside instructor's office, the department office, etc. Term assignments will be returned to students individually, during class or during the instructor's office hours; if students are unable to pick up their assignments from the instructor, they provide the instructor with a stamped, self-addressed envelope to be used for the return of the assignment.

### **Re: Posting of Grades and Picking-up of Assignments**

- All assignments will be handled through D2L or personally.
- Their own grades will be available to each student on D2L by password access. Grades will not be available at Geography's main office.

### **Contact Information for Student and Faculty Representation**

- SU VP Academic Phone: 220-3911 and e-mail: [suvpaca@ucalgary.ca](mailto:suvpaca@ucalgary.ca)
- SU Faculty Rep. Phone: 220-3913 and e-mail: [arts1@ucalgary.ca](mailto:arts1@ucalgary.ca)

The students ombudsman office information can be found at:

<http://www.su.ucalgary.ca/page/affordability-accessibility/su-structure/contact-info>

**Campus Safewalk**

Campus Security, in partnership with the Students' Union, provides the Safewalk service, 24 hours a day, to any location on Campus including the LRT, parking lots, bus zones and University residences. Contact Campus Security at 220-5333 or use a help phone, and Safewalkers or a Campus Security officer will accompany you to your Campus destination.

**Faculty of Arts Program Advising and Student Information Resources**

- Have a question, but not sure where to start? The new Faculty of Arts Students Centre is your information resource for everything in Arts! Drop in at SS 102, call us at 403-220-3580 or email us at [ascarts@ucalgary.ca](mailto:ascarts@ucalgary.ca) you can also visit the Faculty of Arts website at <http://arts.ucalgary.ca/undergraduate> which has detailed information on common academic concerns.
- For registration (add/drop/swap), paying fees and assistance with your Student Centre, contact Enrolment Services at (403) 210 7625 or visit them at the MacKimmie Library Block.

Contact for Students Union Representatives for the Faculty of Arts:

[arts1@su.ucalgary.ca](mailto:arts1@su.ucalgary.ca), [arts2@su.ucalgary.ca](mailto:arts2@su.ucalgary.ca), [arts3@su.ucalgary.ca](mailto:arts3@su.ucalgary.ca), [arts4@su.ucalgary.ca](mailto:arts4@su.ucalgary.ca)