



GEOGRAPHY COURSE OUTLINE: FALL 2015
Geog 437 H (3-3)

Cartography and Geographic Visualization

Section	Days	Time	Location
LEC 01	TuTh	5:00pm - 6:15pm	ES 342
LAB 01	Tu	8:00am - 10:45am	ES 307

Instructor: Dan Jacobson	Office: ES 306
Telephone: 220 6192	Email: dan.jacobson@ucalgary.ca
TA: Saroat Ramjan	TA Office: TBD
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Technical Lab Support: Bart Hulshof	Office: ES 402
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Cartographic Support: Robin Poitras	Office: ES 424
Email: rpoitras@ucalgary.ca	

The primary emergency evacuation assembly point for all classes taught in Earth Sciences is the ICT Food Court. The secondary emergency evacuation assembly point is the Social Science Food Court

Course Description

The role of cartography and geographic visualization is explored both theoretically and practically in the communication of spatial data. Topics will relate to major issues in advanced map design and spatial data interaction with examples from the geographic literature. Sample approaches will be critically examined within lecture and laboratories. Computer software packages will be used for laboratories.

Prerequisites

Geography 231, plus either Geog 333 or 357 or consent of the department.

Required text

Kraak, J., & Ormeling, F. (2010). *Cartography: Visualization of Spatial Data* (3rd ed.). New York: Guilford Publication.

The text below is **recommended** as a general reference resource.

Slocum, T. A.; McMaster, R.B.; Kessler, F.C.; Howard, H. H. (2009)

Thematic Cartography and Geographic Visualization, 3rd Edition, Upper Saddle River, NJ, Prentice Hall.

Both texts are available on reserve at the Taylor Family Digital Library (TFDL).

Additional readings will be posted on D2L

Course Preparation:

This course assumes that students have a general understanding of mapping, cartography and geographic representation. Students should be familiar with manipulating data in a standard geographic information system such as ESRI's ArcGIS. Experience with other graphic design packages such as Adobe Illustrator is advantageous. At least one advanced undergraduate-level course in GIS is **strongly** recommended.

Lab Assignments:*

Students will undertake a series of lab assignments designed to provide hands-on experience in cartographic design, information communication and data handling. The lab assignments will explore issues core concepts in cartographic analysis and geovisualization.

Term Project:*

All students will complete a term project due on the last day of lectures (December 8, 2015). The goal of each project is to create a complex cartographic product.

Evaluation:*

Students will be evaluated in three areas: (1) their knowledge of lecture materials, including classroom participation and discussion (2) laboratory work and (3) the term project. The term project is expected to demonstrate knowledge of the conceptual issues and research applications in cartography.

The distribution of marks will be:*

Laboratory exercises (4 x 12.5%)	50%
Term Project	40%
Comprised of:	
Written Proposal	5%
Sketch map (graphic outline)	5%
Project Presentation	10%
Product & Report	20%
Participation	10%

There is no final exam scheduled for this course.

Assignments

All assignments must be submitted by the specified due date and time

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 and you provide me with the appropriate documentation, you will have one opportunity to make arrangements for the missed work. Without appropriate documentation, you will receive a zero for that portion of your grade.

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

***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). 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 Centre in the Effective Writing Office 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

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

Students needing an Accommodation based on a Protected Ground other than Disability, should communicate this need, in writing, to "(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 Blackboard or personally.
- Their own grades will be available to each student on Blackboard 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
- SU Faculty Rep. Phone: 220-3913 and e-mail: 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 Program Information Centre (PIC) is your information resource for everything in Arts! Drop in at SS110, call us at 403-220-3580 or email us at artsads@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 program planning and advice, contact the Student Success Centre (formerly the Undergraduate programs Office) at (403) 220-5881 or visit them in their new space on the 3rd Floor of the Taylor Family Digital Library.
- For registration (add/drop/swap), paying fees and assistance with your Student Centre, contact Enrolment Services at (403) 210-ROCK [7625] or visit them at the MacKimmie Library Block.

Contact for Students Union Representatives for the Faculty of Arts:

arts1@su.ucalgary.ca, arts2@su.ucalgary.ca, arts3@su.ucalgary.ca, arts4@su.ucalgary.ca
