

Western University

Geog 2240A: Introductory Cartography

Course Outline – Subject to Change

Fall 2017

Lectures

Location: SSC 3022

Days: Thursdays

Hours: 2:30 pm – 4:30 pm

Labs

Location SSC 1316A

Day/Times: Monday 10:30 – 12:30, Tuesday 9:30 – 11:30, 11:30 – 1:30

Instructor Information

Christopher Hewitt

SSC 2223

chewitt4@uwo.ca

Office Hours: SSC 2223 Thursday 12:30 pm – 1:30 pm

Course Syllabus

This course is an "introduction to cartographic theory, map design and drafting, including practical experience with many methods of graphic representation of spatial data" (*Academic Calendar*). Practical experience is given in different methods of representation of geographical data, with emphasis on the map as a means of communication of research results. Lab exercises are necessarily very time-consuming, so students must be prepared to commit time outside class hours. Students are expected to attend all classes and labs, and to be suitably prepared for labs and the final exam. Preparation should include having read all readings before class.

2 lecture hours, 2 lab hours, 0.5 course

Objectives:

Upon completion of this course, students will be able to:

1. Distinguish and apply the key elements of map design.
2. Utilize appropriate scales and projections when designing a map.
3. Experiment with different symbologies to develop qualitative, quantitative and multivariate traditional and nontraditional maps.
4. Evaluate and refine different map designs.

Prerequisites

1.0 course from Geography 1100, 1300A/B, 1400F/G, 1500F/G, 2131A/B, 2153A/B (taken after September 2012), or the former Geography 020E; or enrolment in the Major in Physical Geography.

"Unless you have either the requisites for this course or written special permission from your Dean to enroll in it, you may be removed from this course and it will be deleted from your record. This decision may not be appealed. You will receive no adjustment to your fees in the event that you are dropped from a course for failing to have the necessary prerequisites."

Course Materials

Tyner, J. A. (2014). *Principles of Map Design*. New York: The Guildford Press.

Additional materials may be placed on WebCT which the students are expected to review and bring to class. There may also be a display in the map library which students are encouraged to look at outside of class.

Schedule: Lectures

Day	Topic	Reading
7-Sept	Introduction	Chapter 1
14-Sept	Planning and Composition	Chapter 2
21-Sept	Text Material and Typography	Chapter 3
28-Sept	Colour in Cartographic Design	Chapter 4
5-Oct	Scale	Chapter 5
12-Oct	Reading Week	
19-Oct	Projections	Chapter 6
26-Oct	Mid-Term	
2-Nov	Basics of Symbolization	Chapter 7
9-Nov	Symbolizing Geographic Data	Chapter 8
16-Nov	Multivariate Mapping	Chapter 9
23-Nov	Cartograms and Diagrams	Chapter 10
30-Nov	Continuity and Change	Chapter 11
7-Dec	Review and Critique of Maps	Chapter 12

Schedule: Labs

Week	Topic	Assignment Due
4-Sept	No Labs	
11-Sept	No Labs	
18-Sept	Map Design (Lab 1)	
25-Sept	Work Period on Lab 1	
2-Oct	Text and Colour (Lab 2)	Lab 1 Due
9-Oct	Reading Week	
16-Oct	Work Period on Lab 2	
23-Oct	Scale and Projections (Lab 3)	Lab 2 Due
30-Oct	Work Period for Lab 3	
6-Nov	Qualitative and Quantitative Symbols (Lab 4)	Lab 3 Due
13-Nov	Work Period on Lab 4	
20-Nov	Multivariate Maps (Lab 5)	Lab 4 Due
27-Nov	Work Period on Lab 5	
4-Dec	In Lab Assignment	Lab 5 Due

Methods of Evaluation of Assignments

Evaluation Breakdown:

- 40% Assignments
- 10% Mid-Term Exam
- 30% Final Exam 2 hours (TBA)
- 20% In Lab Assignment

The assignments **must be submitted at the start of lab to your TA** (i.e. Monday at 10:30, Tuesday at 9:30 or 11:30). If the assignment is submitted after the start of your scheduled lab time, it is considered late.

**The late penalty for assignments is 10% per day including weekends
Unless student has received appropriate medical or compassionate accommodation.

The exams will consist of definitions, calculations, diagrams and written answer questions.

The in lab assignment is a mapping assignment with data that the students will access either through the course folder or online. This assignment will be completed by the students during their regular lab times and will be graded similarly to the other assignments.

Grading Criteria:

A (over 80%) assignments are well designed maps which clearly reflect the concepts introduced in class.

B (70 – 79%) maps reflect the class concepts but not to the detailed level of clarity of an “A” student.

C (60 – 69%) maps reflect the concepts from class in only a satisfactory manner.

D (50 – 59%) maps barely meet the requirements of the class.

F (below 50%) maps have not met the requirements of the class.

E-mails

Please include the course number in the subject heading or it may not be responded to. I will usually respond to e-mails **within 48 hours** however, I do **not** check e-mail on weekends. I will not respond to an e-mail **48 hours before an assignment, or test**. In the event the e-mail requires a lengthy response then it is preferable that you drop by my office hours or arrange an appointment.

Missed Work and Medical or Compassionate Absence Policy:

For UWO Policy on Accommodation for Medical Illness and a downloadable SMC see:

http://www.uwo.ca/univsec/handbook/appeals/accommodation_medical.pdf

Downloadable Student Medical Certificate (SMC):

<https://studentservices.uwo.ca> under the Medical Documentation heading

Students seeking academic accommodation on medical grounds for any missed tests, exams, participation components and/or assignments worth 10% or more of their final grade must apply to the Academic Counselling office of their home Faculty and provide documentation. Academic accommodation cannot be granted by the instructor or department.

Additional Statements

Statement on Use of Electronic Devices

No electronic devices will be allowed during tests and examinations.

Statement on Academic Offences

Scholastic offences are taken seriously and students are directed to read the appropriate policy, specifically, the definition of what constitutes a Scholastic Offence, at the following Web site:

http://www.uwo.ca/univsec/handbook/appeals/scholastic_discipline_undergrad.pdf.

Mental Health

If you or someone you know is experiencing distress, there are several resources here at Western to assist you. Please visit the site below for more information on mental health resources:

<http://www.uwo.ca/uwocom/mentalhealth/>.

Western's commitment to accessibility

The University of Western Ontario is committed to achieving barrier free accessibility for persons studying, visiting and working at Western.

Please contact the course instructor if you require material in an alternate format or if you require any other arrangements to make this course more accessible to you. You may also wish to contact Services for Students with Disabilities (SSD) at 661-2111 x 82147 for any specific question regarding an accommodation.

Support Services

Registrarial Services: <http://www3.registrar.uwo.ca/index.cfm>

Student Development Services: <http://www.sdc.uwo.ca/>