

GEOG 2240A – Introduction Cartography

Course Outline: Section 001 – Fall 2018

1. Course Information

1.1. Classroom Location:

Lecture: UCC 37, Thursdays 2:30-4:30pm

Laboratory: SSC 1059, Mondays 10:30am-12:30pm or Tuesdays 9:30-11:30am

1.2. Contact Information:

Instructor: Dr. Christopher Hewitt

Office: SSC 2223

Office Hours: Thursdays 12:30-1:30pm

Email: chewitt4@uwo.ca

2. Calendar Description

2.1. Course Description

Introduction to cartographic theory, map design and drafting, including practical experience with many methods of graphic representation of spatial data.

2 lecture hours, 2 laboratory hours, 0.5 course

Antirequisite(s): none

Prerequisite(s): 1.0 course from Geography 1100, Geography 1300A/B, Geography 1400F/G, Geography 1500F/G, Geography 2131A/B, Geography 2153A/B, Environmental Science 1021F/G; or enrolment in the Major in Physical Geography; or registration in the Commercial Aviation Management program in DAN Management.

Prerequisite checking is the student's responsibility

2.2. Senate Regulations

Senate Regulations state, "unless you have either the requisites for this course or written special permission from your Dean to enroll in it, you will 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."

3. Textbook

Tyner, J. A. (2014). *Principles of Map Design*. New York: The Guildford Press, 978-1462517121

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.

4. Course Objectives

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

- A. Distinguish, explain and apply the key elements of map design.
- B. Utilize appropriate scales and projections when designing a map.
- C. Experiment with different symbologies to develop qualitative, quantitative and multivariate traditional and non-traditional maps.
- D. Evaluate and refine different map designs.

5. Learning Outcomes

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

- A. Synthesize and evaluate geographical information from diverse sources, including geo-spatial data.
- B. Collect, analyze and interpret geographical and geo-spatial data in relation to social and biophysical systems.
- C. Communicate geographic ideas and understanding effectively to a variety of audiences in writing, orally, and graphically.
- D. Develop foundational knowledge and demonstrate applied skills in cartographic principles and geo-spatial data visualization, design and communication.
- E. Develop foundational knowledge and practical skill with standard methods in GISci including geo-spatial data acquisition, interpretation, quantitative processing and analysis; geo-spatial databases; spatial modeling; and application to geographic problems.
- F. Develop a professional looking map with all of the necessary elements for use in an assignment, paper or report.

6. Evaluation and Schedule

6.1. Lecture Schedule

Day	Topic	Reading
Sept 6	Introduction	Chapter 1
Sept 13	Planning and Composition	Chapter 2
Sept 20	Text Material and Typography	Chapter 3
Sept 27	Colour in Cartographic Design	Chapter 4
Oct 4	Scale	Chapter 5
Oct 11	Reading Week	
Oct 18	Projections	Chapter 6
Oct 25	Mid-term	
Nov 1	Basics of Symbolization	Chapter 7
Nov 8	Symbolizing Geographic Data	Chapter 8
Nov 15	Multivariate Mapping	Chapter 9
Nov 22	Cartograms and Diagrams	Chapter 10

Day	Topic	Reading
Nov 29	Continuity and Change	Chapter 11
Dec 6	Review and Critique of Maps	Chapter 12

6.2. Assignment Schedule

Week	Topic	Assignment Due
Sept 3	No labs	
Sept 10	No labs	
Sept 17	Map Design (Lab 1)	
Sept 24	Work Periods on Lab 1	
Oct 1	Text and Colour (Lab 2)	Lab 1 Due
Oct 8	Reading Week	
Oct 15	Work Period on Lab 2	
Oct 22	Scale and Projections (Lab 3)	Lab 2 Due
Oct 29	Work Period for Lab 3	
Nov 5	Qualitative and Quantitative Symbols (Lab 4)	Lab 3 Due
Nov 12	Work Period of Lab 4	
Nov 19	Multivariate and Multi-Element Maps (Lab 5)	Lab 4 Due
Nov 26	Work Period on Lab 5	
Dec 3	In Lab Assignment	Lab 5 Due

6.3. Evaluation Breakdown

Evaluation Component	Percentage of Course Grade
Assignments	40%
Mid-term Exam	10%
Final Exam 2-hours (December 10-21 TBA)	30%
In Lab Assignment	20%

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.

The assignments **must be submitted at the start of lab to your TA** (i.e. Monday at 10:30am, Tuesday at 9:30am). 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.

Students are responsible for material covered in the lectures as well as the assigned chapters/sections in the text.

Policy on Accommodation for Illness

http://www.uwo.ca/univsec/pdf/academic_policies/appeals/accommodation_illness.pdf

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

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

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.

Grades will not be adjusted on the basis of need. It is important to monitor your performance in the course. Remember: *You* are responsible for your grades in this course.

7. Make-up Examinations

Makeups will be granted with approved documentation only. All documentation for missed exams must be provided to the Academic Counselling Office and Instructor within 48 hours of the scheduled exam. Otherwise, the instructor will assign a grade of zero.

The format and content of make-ups may differ substantially from the scheduled test or examination.

8. Use of Electronic Devices

Students may bring a non-programmable calculator to the exam. No other electronic devices will be allowed during tests and examinations.

9. 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/pdf/academic_policies/appeals/scholastic_discipline_undergrad.pdf.

10. Western's Commitment to Accessibility

The Department of Geography strives at all times to provide accessibility to all faculty, staff, students and visitors in a way that respects the dignity and independence of people with disabilities.

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 519-661-2147 for any specific question regarding an accommodation. Information regarding accommodation of exams is available on the Registrar's website: www.registrar.uwo.ca/examinations/accommodated_exams.html

More information about "Accessibility at Western" is available at: <http://accessibility.uwo.ca>

11. Medical Issues

The University recognizes that a student's ability to meet his/her academic responsibilities may, on occasion, be impaired by medical illness. Please go to:

https://studentservices.uwo.ca/secure/medical_accommodations_link_for_OOR.pdf to read about the University's policy on medical accommodation. In the event of illness, you should contact Academic Counselling as soon as possible. The Academic Counsellors will determine, in consultation with the student, whether or not accommodation should be requested. They will subsequently contact the instructors in the relevant courses about the accommodation. Once the instructor has made a decision about whether to grant an accommodation, the student should contact his/her instructors to determine a new due date for tests, assignments, and exams.

Students must see the Academic Counsellor and submit all required documentation in order to be approved for certain accommodation:

http://counselling.ssc.uwo.ca/procedures/medical_accommodation.html

12. 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/>.

13. Support Services

Student Support Services can be reached at: <http://westernusc.ca/services/>

Student Development Services can be reached at: <http://www.sdc.uwo.ca/>

14. Important Dates

September 6: Classes resume

September 14: Last day to add a full course or a second term half course

October 8: Thanksgiving Holiday – Department Office Closed
October 9-13: Fall Reading Week (No classes; Department Office open)
November 12: Last day to drop a first term half course without penalty
November 30: Last day to drop a full course without academic penalty
December 7: Classes end
December 8 and 9: Study days
December 10-21: Examination Period
December 21: Fall term ends