1. **Course Information**
   1.1. Classroom Location:
   Class Location and Time: SSC 3022 at Thursday 2:30 – 4:30; Laboratory: SSC 1059 at Monday 10:30 – 12:30, Tuesday or Wednesday 9:30 – 11:30
   
   1.2. Contact Information:
   Instructor: Christopher Hewitt
   Office: SSC 2223
   Office Hours: Thursday 12:30 – 1:30 pm
   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 2132A/B, Geography 2133A/B, Geography 2142A/B, Geography 2152F/G, Geography 2153A/B, Environmental Science 1021F/G; or enrolment in the Major in Physical Geography; or registration in the Commercial Aviation Management program in MOS.
   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**


   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 and Format**

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 nontraditional 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**

**Lecture Schedule:**

<table>
<thead>
<tr>
<th>Day</th>
<th>Topic</th>
<th>Reading</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-Sept</td>
<td>Introduction</td>
<td>Chapter 1</td>
</tr>
<tr>
<td>12-Sept</td>
<td>Planning and Composition</td>
<td>Chapter 2</td>
</tr>
<tr>
<td>19-Sept</td>
<td>Text Material and Typography</td>
<td>Chapter 3</td>
</tr>
<tr>
<td>26-Sept</td>
<td>Colour in Cartographic Design</td>
<td>Chapter 4</td>
</tr>
<tr>
<td>3-Oct</td>
<td>Scale</td>
<td>Chapter 5</td>
</tr>
<tr>
<td>10-Oct</td>
<td>Projections</td>
<td>Chapter 6</td>
</tr>
<tr>
<td>17-Oct</td>
<td>Mid-Term</td>
<td></td>
</tr>
<tr>
<td>24-Oct</td>
<td>Basics of Symbolization</td>
<td>Chapter 7</td>
</tr>
<tr>
<td>31-Oct</td>
<td>Symbolizing Geographic Data</td>
<td>Chapter 8</td>
</tr>
<tr>
<td>7-Nov</td>
<td>Reading Week</td>
<td></td>
</tr>
<tr>
<td>14-Nov</td>
<td>Multivariate Mapping</td>
<td>Chapter 9</td>
</tr>
<tr>
<td>21-Nov</td>
<td>Cartograms and Diagrams</td>
<td>Chapter 10</td>
</tr>
<tr>
<td>28-Nov</td>
<td>Continuity and Change</td>
<td>Chapter 11</td>
</tr>
<tr>
<td>5-Dec</td>
<td>Review and Critique of Maps</td>
<td>Chapter 12</td>
</tr>
</tbody>
</table>
Assignment Schedule:

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
<th>Assignment Due</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Sept</td>
<td>No Labs</td>
<td></td>
</tr>
<tr>
<td>9-Sept</td>
<td>Map Design (Lab 1)</td>
<td></td>
</tr>
<tr>
<td>16-Sept</td>
<td>Work Period on Lab 1</td>
<td></td>
</tr>
<tr>
<td>23-Sept</td>
<td>Text and Colour (Lab 2)</td>
<td>Lab 1 Due</td>
</tr>
<tr>
<td>30-Sept</td>
<td>Work Period on Lab 2</td>
<td></td>
</tr>
<tr>
<td>7-Oct</td>
<td>Scale and Projections (Lab 3)</td>
<td>Lab 2 Due</td>
</tr>
<tr>
<td>14-Oct</td>
<td>Work Period for Lab 3</td>
<td></td>
</tr>
<tr>
<td>21-Oct</td>
<td>Work Period for Lab 3</td>
<td></td>
</tr>
<tr>
<td>28-Oct</td>
<td>Qualitative and Quantitative Symbols (Lab 4)</td>
<td>Lab 3 Due</td>
</tr>
<tr>
<td>4-Nov</td>
<td>Reading Week</td>
<td></td>
</tr>
<tr>
<td>11-Nov</td>
<td>Work Period on Lab 4</td>
<td></td>
</tr>
<tr>
<td>18-Nov</td>
<td>Multivariate and Multi-Element Maps (Lab 5)</td>
<td>Lab 4 Due</td>
</tr>
<tr>
<td>25-Nov</td>
<td>Work Period on Lab 5</td>
<td></td>
</tr>
<tr>
<td>2-Dec</td>
<td>In Lab Assignment</td>
<td>Lab 5 Due</td>
</tr>
</tbody>
</table>

Evaluation Breakdown:

<table>
<thead>
<tr>
<th>Evaluation Components</th>
<th>Percentage of Course Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assignments</td>
<td>40%</td>
</tr>
<tr>
<td>Mid-Term Exam</td>
<td>10%</td>
</tr>
<tr>
<td>Final Exam 2 Hours (December 8-19 TBA)</td>
<td>30%</td>
</tr>
<tr>
<td>In Lab Assignment</td>
<td>20%</td>
</tr>
</tbody>
</table>

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

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 10:30, Tuesday or Wednesday at 9:30). 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.

Policy on Accommodation for Illness.

Students seeking academic accommodation on medical and non-medical grounds for work worth less than 10% of the total course 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.

For Western’s NEW Policy on Accommodation for Illnesses please refer to the Academic Calendar’ section on Academic Rights and Responsibilities.

Requesting Academic Consideration

Students who experience an extenuating circumstance (illness, injury, or other extenuating circumstance) sufficiently significant to temporarily render them unable to meet academic requirements may submit a request for academic consideration through the following routes:

(i) Submitting a Self-Reported Absence form provided that the conditions for submission are met;
(ii) For medical absences, submitting a Student Medical Certificate (SMC) signed by a licensed medical or mental health practitioner in order to be eligible for Academic Consideration; or
(iii) For non-medical absences, submitting appropriate documentation (e.g., obituary, police report, accident report, court order, etc.) to Academic Counselling in their Faculty of registration in order to be eligible for academic consideration. Students are encouraged to contact their Academic Counselling unit to clarify what documentation is appropriate.

Students seeking academic consideration:

- are advised to consider carefully the implications of postponing tests or midterm exams or delaying handing in work;
- are encouraged to make appropriate decisions based on their specific circumstances, recognizing that minor ailments (upset stomach) or upsets (argument with a friend) are not normally an appropriate basis for a self-reported absence;
- must communicate with their instructors no later than 24 hours after the end of the period covered by either the self-reported absence or SMC, or immediately upon their return following a documented absence.

Academic consideration is not normally intended for the following circumstances:

- Students who require academic accommodation based on an ongoing physical or mental illness (recurring or chronic) or an existing disability. Students with an ongoing
physical illness or mental disorder (recurring or chronic) or an existing disability are responsible, in consultation with their doctors or other health professionals, to determine if they are capable of pursuing their studies and, if so, with what accommodations. Students are expected to seek and arrange reasonable accommodations with Student Accessibility Services (SAS) as soon as possible in accordance with the Policy on Academic Accommodation for Students with Disability. Students with pre-existing accessibility plans arranged through SAS may not need to provide additional documentation when seeking academic consideration where such request for consideration relates to their disability and where their accessibility plans allow for coursework deferral or deadline extensions.

- **Students who experience high levels of stress related to academic performance** (including completing assignments, taking part in presentations, or writing tests or examinations). Students with academic or exam stress should access supports through Student Health and Wellness and Learning Skills Services in order to deal with this stress in a proactive and constructive manner.

**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 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.

**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.

More information about “Accessibility at Western” is available.
11. Mental Health
If you or someone you know is experiencing distress, there are several resources here at
Western to assist you. Please visit Western’s Health and Wellness website for more information
on mental health resources.

12. Support Services
Western’s Support Services
Student Development Centre

13. Important Dates
   September 5: Classes resume
   September 13: Last day to add a first term half course
   October 14: Thanksgiving Holiday – Department Office Closed
   November 4 to November 10: 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 penalty
   December 5: Classes end
   December 6 and 7: Study days
   December 8-19: Examination Period