

Cartographic Principles

GEOG - 2100 001

Course Student Learning Outcomes

- Demonstrate the knowledge and skill sets to categorize and describe different types of maps and be able to give examples of how they are used.
- Demonstrate the knowledge and skill sets to apply the components of a map (map elements).
- Demonstrate the knowledge and skill sets needed to employ an appropriate geographic referencing system (datum, projection, coordinate system) for a given purpose.
- Demonstrate the knowledge and skill sets to select and apply ethical and appropriate data model, map scale, map elements, symbolization and color to produce maps that effectively communicate quantitative and qualitative geographic data.
- Demonstrate knowledge and skill sets regarding the design of professional quality maps, including map elements such as text, graphs, charts and diagrams, employing cartographic principles.
- Demonstrate the knowledge and skill sets to produce maps and related products in a variety of formats (hardcopy, digital and web).
- Demonstrate the knowledge and skill sets to professionally critique maps for appropriate use of cartographic design principles.

ACTIVE

Course Prerequisites

None

Brief Description of Assignments/Exams

Chapter Quizzes

The chapter quizzes will assess your understanding of the textbook chapters. The quizzes are composed of multiple-choice, multiple-answer, true/false, or short-answer questions. You will have 30 minutes to complete the 10-question quiz. You will also be allowed to take it twice, with the higher of the two quizzes counting for your score.

Assignments

Every module will have a several GIS assignments designed to teach you specific knowledge and skillsets using ArcGIS Pro and ArcGIS Online. Those assignments will come from the Esri Training website. All assignments will be submitted within Canvas.

Exams

There will be two exams in the course. Each exam contains 50 questions, consisting of multiple-choice, multiple-answer, true/false, or short-answer questions. You will have 90 minutes to complete the exams. And like the quizzes, you will be allowed to take them twice, with the higher of the two quizzes counting for your score.

GIS ePortfolio

Throughout the course, you still begin developing an ePortfolio to showcase your GIS projects and certifications using the StoryMaps software by Esri. More on this throughout the course.

Assignment Schedule

Due Date	Assignment Name	Assignment Type	Points
	1.5 Discussion Studying Thematic Maps	Discussion	20

Due Date	Assignment Name	Assignment Type	Points
	2.1 Assignment Where Does Healthcare Cost the Most?	Assignment	10
	2.2 Assignment Create a Policy Map to Address Health Conditions	Assignment	10

Grading Scale

Grade	Score Range
A	100 - 94 percent
A-	93 to 90 percent
B+	89 to 87 percent
B	86 to 84 percent
B-	83 to 80 percent
C+	79 to 77 percent
C	76 to 74 percent
C-	73 to 70 percent
D+	69 to 67 percent
D	66 to 64 percent
D-	63 to 60 percent
E	Less than 60 percent

Transfer/Certification/Licensure/Employment Information

This course is required for those interested in the Geographic Information Science AS degree. The AS degree directly transfers to the University of Utah's Geography Department and Weber State University's Geography Department and Geospatial Technology programs.

Students interested in the Geographic Information Science AS, Geospatial Technology AAS, GIS Certificate of Proficiency, or Small Unmanned Aerial Systems Certificate of Proficiency (also known as drones) programs at SLCC should click [here](#).

Engagement Plan

Example language:

- I will respond to email within 48 hours. I will offer feedback on major assignments within one week of the due date. The best way to contact me is via the Canvas Inbox, as I will prioritize this email over other modes of communication.
- Additionally, I will be participating in the discussion forums with you to share my perspective within the discipline and to offer some nuances of interpretation that may not be present in your textbook.
- Lastly, we'll be holding small group Q & A sessions, where we can learn from our peers (and faculty) on some of the more difficult units within the course.

Keys for Success (how to succeed in the course)

This syllabus represents an "agreement" between you and the instructor. It is designed to ensure course integrity and fairness and provides students with a clear understanding of course expectations. The instructor and students are expected to use the syllabus and schedule as a guide for the semester. Any deviation from the syllabus or schedule will be discussed and agreed upon by the instructor and students.

The course will take the entire Fall semester. Each week, you will have several assignments. These will be a mix of reading and answering quizzes on the readings, earning several ESRI Virtual Campus Certificates, learning map interpretation skills, creating or critiquing maps, participating in online discussions, and doing some professional career development.

It is designed not only to teach the information and skills required by the discipline but also to develop vital workplace skills and to teach strategies and skills that can be used for life-long learning. Education is much more than acquiring facts; it uses information meaningfully to enrich one's life.

While the subject of each course is essential and valuable, we become genuinely educated by connecting such varied information with the different methods of organizing human experience practiced by different disciplines. Therefore, combined with other courses, this course will enable you to develop broader perspectives and deeper understandings of your community, and the world and challenge previously held assumptions about the world and its inhabitants.

How to Navigate to Canvas

Institutional Policies

As members of our academic community, we would like to invite you to review the Institutional Syllabus which covers important policies and procedures. This document contains important links for students on the code of student rights and responsibilities, academic integrity, and grading policies, Title IX and other important acknowledgements. By familiarizing yourself with this information, you can help us create a safe and respectful environment for everyone.

For more information, navigate to the Institutional Policies tab on the [Institutional Syllabus](#) page.

Learning Support and Tutoring Services

We are pleased to offer a range of tutoring and learning support services to help you achieve your academic goals. Whether you need assistance with a specific subject or want to improve your study skills, you have many options for tutoring or other support.

To learn more about the services we offer and how to access them, visit the [Institutional Syllabus](#) page under the Tutoring and Learning Support tab. We encourage you to take advantage of these resources to help you succeed in your studies. If you have any questions or would like to schedule a tutoring session, please don't hesitate to reach out to us. We are here to support you in any way we can.

Advising and Counseling Support Services

At our institution, we are committed to supporting your academic and personal growth. That's why we offer a range of advising and counseling services to help you navigate the challenges of college life. To learn more about the resources available to you and how to access them, visit the [Institutional Syllabus](#) page under the Advising and Counseling Support Services tab. Our advising team and the support centers across campus are here to support you in achieving your goals and overcoming any obstacles you may face.

Student Academic Calendar

As students you should be aware of all important dates in the semester, such as the day that courses begin and end, as well as the drop date and the last day to withdraw. To learn more about those dates, navigate to the Student Academic Calendar below:

[SLCC Student Academic Calendar](#)