

# **GEOG 9009: Cartographic Design for GIS**

San Francisco State University, Spring 2022

April 29<sup>th</sup> – May 6<sup>th</sup>, entirely online

**Office Hours:** On Zoom & we will need to do via appointment, but I'm really excited to talk Cartography with you all so if you want to meet let's set up a time!

**Credit:** 1.6 Continuing Education Units

**INSTRUCTOR:** Quentin J. Clark

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## **Course Description:**

This course examines the art, science, and ethics of making and interpreting thematic maps. The course will focus on making maps within the ArcGIS Pro platform using the concepts and principles of cartographic visualization and communication. You will practice these concepts, principles, and best practices in order to more effectively communicate the intended geographic meanings of your map designs.

## **Learning Objectives for Course:**

- Basic principles of map design and layout
- Map elements, which are essential and which are optional
- Data symbolization
- Thematic map types
- Data classification and the tricky things that can happen when you start breaking data up into groups.
- Figure/ground relationships (how to make your maps pop!)
- Color schemes and ramps
- What to look for in a good map, what to look for in a bad map.

## **Prerequisites**

GEOG 9003 – Introduction to GIS or equivalent course

## **Assignments**

You will be asked to complete a total of three lab exercises for this course. Each exercise will require you to deliver a first draft and a final draft of a layout.

## **Grading**

This course is graded Credit/Non-Credit. To receive a Credit grade, students must demonstrate completion of each section by submitting a final map layout for each lab exercise.

## **Course Schedule**

### **Thursday, April 28th**

- Welcome message sent to enrolled students
- All lecture slides and videos posted

**Friday, April 29<sup>th</sup>**

- Class officially begins – watch Lectures 1 – 4!
- Data for Labs 1 & 2 are posted on iLearn – start working on them!

**Saturday, April 30<sup>th</sup>**

- First drafts of Labs 1 & 2 are due by 5:00 PM
- Notes and comments of first drafts of Labs 1 & 2 returned to students

**Sunday, May 1<sup>st</sup>**

- Work on your final drafts of Labs 1 & 2

**Monday, May 2<sup>nd</sup>**

- Final drafts of Labs 1 & 2 are due by Midnight

**Tuesday, May 3<sup>rd</sup>**

- Start working on Lab 3 – The Final Project

**Wednesday, May 4<sup>th</sup>**

- Keep working on Lab 3!

**Thursday, May 5<sup>th</sup>**

- First Draft of Lab 3 due by 5:00 PM
- Comments and notes back to students by Thursday evening

**Friday, May 6<sup>th</sup>**

- Final Draft of Lab 3 due by Midnight (if you end up submitting on Saturday, May 7<sup>th</sup> that's totally fine!)