

# **Geography 186**

# **Web Cartography**

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# Observation

University of California, Berkeley had 1 course that was primarily about web mapping and 1 course that was primarily about print cartography. The course about web mapping was a tool-based course, with little to no discussion or projects that considered the design of the map.

# Problem

Web mapping was a highly interesting field for students and offered more job prospects. The current independent classes had a couple overlapping tools, but the principles were not tied together. Neither professor had both a high enough interest or skill level in design and engineering for proper instruction.

# Scope of Project

Having the engineering skillset necessary, my cartographic design professor reached out to me to begin building the curriculum for the course. I was later hired as her teaching assistant for the course. We divided the responsibilities:

## Professor

- Class logistics
- Lecture slides
- Lecturing
- In class assignments
- Office hours

## Myself

- Labs (homework)
- Guest lecture (2 lectures)
- Grading in class & lab assignments
- Office hours

# Uncertainties

- Class design and engineering skill level and course background
- Potential updates and bugs of software
- My inability to attend each class
- The professor's lower engineering skill level

# Goals

The objective for the course was for students to gain a more advanced skillset in JavaScript/HTML/CSS and cartographic design to create aesthetic maps with an intuitive interface and user experience.

# User Profile

Having students from multiple backgrounds was challenging, but we did not change the course or assignments based on their experience.

# Results

For the privacy of the students and the professor, student work and lab materials cannot be shared at this time.