

GGIS 473 Digital Cartography & Map Design

Course Instructor Raechel A. Portelli

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Office Hours Dr. Portelli's Booking Page (Wednesday 11am - 1pm, 4pm -6:30pm)

Course Meeting Times 09:30AM - 10:50AM Tuesday & Thursday

Course Description

Introduces cartographic design principles from a human-centered perspective. Students explore art, map history, and visual communication across a variety of genre. Final project is a major map project for public display.

Course Objectives

- Obtain geographic data from a variety of sources
- Achieve visual hierarchy to establish a spatial narrative
- Develop skills in ArcGIS Pro and Adobe Illustrator
- Reflect on your own mapping practice and acknowledge other perspectives and method
- Gain respect and awareness of alternative methods of conceptualizing cartographic practices

Course Topics

The course is arranged in a set of 2-week modules to allow flexibility to address the cartography and social topics.

- Module 1: Introduction to Cartography and Social Justice Mapping & Base Maps
- Module 2: Feminist Approaches to Cartography & Symbol Design
- Module 3: Anti-Racist and Decolonial Cartography & Visual Variables
- Module 4: Queer Cartography & Visual Variables
- Module 5: Representing Care with Cartography & Working with Illustrator
- Module 6: Intersectionality & Accessibility in Design
- Module 7: Impacts of Generative AI on Map-making & Attribution and MetaData
- Module 8: Final Calendar Composition Work