

**ADN592/ARCH590: DIY Cartography****Meeting Times:** F 10:15 - 1:00pm**Location:** Brooks Hall 300**Blog:** design.ncsu.edu/co-lab**INSTRUCTORS:****Tania Allen, Assistant Professor of Art + Design**

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Office Hours: Tuesdays, 1:30pm - 3pm by appt

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**TEACHING ASSISTANTS:**

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# Map Series 01:

## Looking at the nature of Raleigh's history

**January 12 – February 16 | 5 weeks****Research Methodology: Archival Analysis (Quantitative) | Mapping Methodology: Spatio-Temporal Maps**

In this first map series, you will work in cross-disciplinary teams to map the development of the city through 5 topical lenses (natural history, socio-cultural history, economic history, political history, and physical development). Through this deep dive into Raleigh's history, you will create a series of maps that look at discrete components of the city at 4 difference scales (Raleigh's original city limits, Raleigh's current boundaries, Wake County and the Triangle) and over the time period of Raleigh's establishment through the present (1792 – 2018). Through these iterations, you will pay special attention to how scale informs and transforms the message of the map through altering the resolution and visible measurements of the systems depicted.

**Format:**

This first series of maps and timelines will be used as a common resource to draw upon and build future maps throughout the semester. The size of your maps should be 16" x 13.5" landscape but should be able to be scaled up to 32" x 27". We will be supplying a template for you to import (so need to be vector based or work at the larger

**The four scales you will be working at are:**

- Raleigh's Original City Limits: 1 : 3,000
- Raleigh's Current Boundaries: 1 : 50,000
- Wake County: 1 : 100,000
- Triangle 1: 160,000

We ask that as you focus your study of the city through your topical lens that you pay special attention to which historical narratives are celebrated or "marked" versus which ones are hidden or possibly erased. Raleigh hosts many historic monuments (from formal statues to street names) which memorialize a spectrum of events, places, and people commemorating important themes in our local, regional, and national heritage. Through this course and its exhibition we hope to engage in the contemporary national debate on memorialization and evolving socio-cultural values by opening up questions on how different types of memorialization in Raleigh have come to be and how they frame our understanding of our city's past, present, and future.

**Learning Objectives:**

- Give students a birds eye view of the complex socio-cultural, political, racial, and economic forces at play in the development of Raleigh;
- Encourage pattern-finding and initial conclusions based on those patterns;
- Make connections between socio-culture shifts and the physical development of Raleigh;
- Draw initial conclusions about what was driving early development;
- Make critical comparisons between static and temporal data;
- Learn basic elements of mapping through GIS and visual communication;
- Understand the fundamentals of archival research;
- Identify correlation and speculate on causation to inform future research questions.

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# Map Series 01 Schedule

**(This schedule is subject to change)****January 12: Introduction to class**

- Overview of Raleigh History
- Deep Dive into initial data
- Students choose initial topical lens and groups
- Introduce Archival Map resources
- 11:30 – 1pm in class GIS Basic Tutorial

**Read for Jan 19:**

- Corner, J. The Agency of Mapping: Speculation, Critique and Invention. In Mappings (pp. 213-252).
- Reid Murray, E. V01, Settlement Period, The County's Birth, Revolution and Evolution (p 18-73) (divide among topical group members);
- Mobley, J. Raleigh, A Brief History (entire book) (divide among topical group members);
- Supplemental Reading: Perkins, D. The New Capital (p 3-13)

**January 19: Mapping and Design Research**

- Due: Data Dump / Rough Digital Maps; list of questions and gaps for additional research
- Identify emerging research topic / question, for example (see website for details and examples)
- Reading discussion: Critical cartography and design research
- "Desk crits" of maps within groups

**Read for Jan 26:**

- Meirelles, I. Design for Information. Introduction (p6 – 16);
- Crouch, C. and Pearce, J. Doing Design Research. Chapter 02: What do Designers and Researchers do? (p 15 – 32);
- Image Case Studies: Berger, A. Drosscape
- Supplemental Reading:
- Kulikowski + Peters. Historic Raleigh;
- Anderson + Fowler. Raleigh North Carolina's Capital on Post-cards

**January 22: 5:30 – 8:30 GIS Workshop: Analyzing Data and Exports**

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**January 26: Making Observations: Visible and Invisible Data**

- Due: Refined Geographic Maps (ideally now exported from GIS); list of questions and gaps for additional research
- Class critique of individual research maps: How does the scale of the data influence the argument of the map?
- Illustrator Tutorial: Illustrator Basics

**Read for Feb. 2:**

- Meirelles, I. Design for Information. Chapter 04: Spatial Structures: Maps, p 114 – 157 and Chapter 05 Spatio-temporal Structures (p 158 -183);
- Supplemental Reading:
- Perkins, D. The New Capital: readings according to thematic lens.
- Reid Murray, E. V01 and V02: readings assigned according to thematic lens

**February 02: Spatio-Temporal Data**

- Due: Geographic + Temporal Maps (digital)
- Discussion: Maps as a persuasion of reality
- Scaler Series and timeline; Discuss intersections in small groups
- InDesign Tutorial in Class: plugging maps into shared format for maps and timeline

**February 09: 95% Final Review of Maps (Digital + Printed)**

- Questioning assumptions, truths and findings
- Final review of printed maps for in depth discussion and critique; Overlay of research questions

**Read for Feb 16:**

- Crouch, C. and Pearce, J. Doing Design Research. Chapter 03: Practice and Praxis, Reflection and Reflexivity (p 33-52);

**February 16: Discussion Research, Mapping, Practice, Praxis**

- Final Maps ready for printing Wednesday, Feb 14 by 5 pm
- Final Critique of Map Series 01
- Introduction of Map Series 02
- Lecture Slides from today: Mapping Design Research: Practice, Praxis, Reflection and Reflexivity; Spatial Information Design Lab, Million Dollar Blocks

**Prepare for February 23:**

- Crouch and Pearce, Chapter 04: Research Methodologies (53-66) and Chapter 08, Case Study Research, p 123-141.
- Refined Research Questions from Map Series 01
- Ideas for the topic/narrative to explore for Map Series 02