

# History 39500 — Science, Knowledge, & Democracy

## Junior History Research Seminar (Spring 2026)

**CRN:** 23669

**Credits:** 3

**Format:** In-person

**Instructor:** Prof. Aaron Mendon-Plasek

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## Catalog Course Description

A variable-title junior seminar for history majors focused on building historical skills:

- Research in primary sources
- Analytical and interpretive methods
- Constructing historical arguments
- Intensive academic writing

This course fulfills a major requirement and is **writing-intensive**.

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## Learning Outcomes

By the end of this course, you will be able to:

1. Identify how calculating techniques, infrastructures, and research practices shaped changing ideas about democracy, representation, identity, and technical progress in the United States.
  2. Interpret empirical evidence in its historical, technological, and social contexts.
  3. Summarize major scholarly debates about quantification and its role in forming social and political concepts.
  4. Articulate novel research questions and historical arguments grounded in scholarship.
  5. Communicate original, evidence-based historical arguments in written and oral formats.
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# Learning Resources, Technology, and Texts

## Required Readings

All readings will be provided **as PDFs on Brightspace**. Students must **print all readings** and bring paper copies to class. Not bringing printed materials will lower the participation grade.

## Required Technology

You must have:

1. A working laptop (Windows, MacOS, or Linux)
2. **Microsoft Word** or **LibreOffice**
3. **Zotero** with the Word/LibreOffice plug-in

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# Grading & Course Assessment

## Continuous Assessment (30%)

Component	Weight
Research/Reading Journal	12.5%
In-class Participation	17.5%

## Projects (70%)

Component	Weight
Annotated Bibliography (3–4 pages)	15%
Primary Source Analysis (1000 words)	15%
Lightning Talk	5%
Final Research Project Proposal (7000 words)	35%

**Total Course Grade: 100%**

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# Course Schedule

Assigned readings must be completed **before** the class meeting for which they are listed.  
This schedule may shift based on class needs.

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## Week 1 (Jan 13 & 15)

### Math & Just Representation(s)

#### Reading:

- Alma Steingart, "Democracy by Numbers"
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# Part I: Democracy as a Problem — Calculating Freedom / Knowing Citizens

## Week 2 (Jan 20 & 22)

### Describing Democracies / Remaking the World

#### Readings:

- Dan Bouk, *Democracy's Data*, Ch. 5
- W.E.B. Du Bois, *The Souls of Black Folk*, Ch. VI

## Week 3 (Jan 27 & 29)

### Describing People, Creating Publics

#### Readings:

- Sarah Igo, *The Averaged American*, pp. 103–118

- Theodore Porter, *Trust in Numbers*, Ch. 2

## **Week 4 (Feb 3 & 5)**

### **Narrating Empires, Narrating Progress**

Readings:

- Thomas Bender, *A Nation Among Nations*, Ch. 4
- Priya Satia, *Time's Monster*, Introduction
- Lara Putnam, "Transnational and the Text-Searchable," pp. 377–387

## **Week 5 (Feb 12; no class Feb 10)**

### **Imagining Privacy / Private Threats**

Reading:

- Sarah Igo, *The Known Citizen*, Ch. 4

## **Week 6 (Feb 17 & 19)**

### **Who Watches the Watchers?**

Readings:

- Matthew Connelly, *The Declassification Engine*, excerpts
- Eric Foner, "The Electoral College," in *Our Fragile Freedoms*
- Michael Schudson, *The Rise of the Right to Know*, Ch. 6 excerpts

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# **Part II: Calculating Infrastructures — Scientists, Citizens, Creativity**

## **Week 7 (Feb 24; no class Feb 26)**

### **Computation, Competition, and Anti-Trust**

Reading:

- Gerardo Con Díaz, *Software Rights*, excerpts

## **Week 8 (Mar 3 & 5)**

### **Cold War Social Sciences**

Readings:

- Jamie Cohen-Cole, *The Open Mind*, pp. 35–45
- Joy Rohde, *Armed with Expertise*, Ch. 2 excerpts

## **Week 9 (Mar 10 & 12)**

### **(Scientific) Progress and Its Critics**

Readings:

- Thomas Kuhn, *Structure of Scientific Revolutions*, excerpt
- Peter Galison, *Image and Logic*, Ch. 9
- Steven Shapin, *The Scientific Life*, Ch. 6 excerpts

**Spring Break: March 16–21**

## **Week 10 (Mar 24 & 26)**

### **Inventing Data**

Readings:

- Catherine D'Ignazio & Lauren Klein, *Data Feminism*, pp. 2–24
- Paul Edwards, *A Vast Machine*, excerpts

## **Week 11 (Mar 31 & Apr 2)**

### **Predicting Problems**

Readings:

- Joy Rohde, "Pax Technologica," pp. 792–813

- Erickson et al., *How Reason Almost Lost Its Mind*, excerpts
- Donald Mackenzie, *Mechanizing Proof*, pp. 63–86

## **Week 12 (Apr 7 & 9)**

### **Warfare / Welfare**

Readings:

- Jennifer Light, *From Warfare to Welfare*, Ch. 6 excerpts
  - Mary Dudziak, *Cold War Civil Rights*, Ch. 5
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# **Part III: Classification, Identity, and Judgment**

## **Week 13 (Apr 14 & 16)**

### **Search, Spam, and Crime — Part I**

Readings:

- Finn Brunton, *Spam*, pp. 155–161
- Safiya Noble, *Algorithms of Oppression*, pp. 35–42

## **Week 14 (Apr 21 & 23)**

### **Agency, Memory, Social Judgment**

Readings:

- Ian Hacking, *The Social Construction of What?*, pp. 163–185
- Virginia Eubanks, *Automating Inequality*, excerpts

## **Week 15 (Apr 28 & 30)**

### **Search, Spam, and Crime — Part II**

Readings:

- Sarah Brayne, *Predict and Surveil*, pp. 56–60
  - Elizabeth Hinton, *From the War on Poverty to the War on Crime*, Ch. 5
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## Week 16 (Finals Week: No Class)

Final Research Project Due

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# Assignments & Assessments

## In-Class Participation

Includes:

- Completing readings before class
- Contributing textually grounded discussion points
- Participating in activities and groupwork
- Occasional unannounced quizzes
- Zoom etiquette (if remote)

**Participation is graded three times** during the semester.

Unexcused absences may reduce participation credit.

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## Research / Reading Journal

Starting Week 2:

- One entry per week
- Minimum 1 page, single-spaced, 12pt Times
- Summarize and interrogate an argument from that week's readings
- Connect readings to a course theme or personal historical concern
- Provide citations in **Chicago Notes-Bibliography (18th ed.)**

Graded on clarity, depth, and quality of reflection.

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## Primary Source Analysis (1000 words)

A narrative report (double-spaced, 12pt Times) examining a primary source:

- Identify provenance
- Explain purpose, context, creation, funding, stakeholders
- Describe where it exists and how historians can access it
- Analyze political, institutional, or social relevance

You may not learn everything about the source—but must analyze available information thoroughly.

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## Annotated Bibliography (3–4 pages)

- Select three key sources (primary and/or secondary)
  - Offer analytical commentary on each
  - Show how each source connects to your research question
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## Required Office-Hour Meeting

You must meet with the instructor **before submitting the annotated bibliography**.

This meeting counts toward participation.

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## Final Research Project Proposal (7000 words)

Your proposal must:

- Articulate a historical argument on a topic of personal or professional interest

- Engage course themes and relevant scholarship
  - Incorporate historical debates on quantification, data, representation, etc.
  - Offer a new way of thinking about a question
  - Be grounded in evidence and literature
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## **Lightning Talk (5 minutes)**

A short presentation introducing:

1. Your research question
2. Your developing argument
3. Cases or evidence you're examining
4. Questions or challenges you're still exploring

Classmates will provide feedback for revision.