

# Coding for Digital Storytelling

JRNL3305/6305

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# Why are we doing this?

As a journalist, you will encounter a variety of digital tools and technologies for data-driven storytelling

Being able to talk about and engage with those tools intelligently will help you become  
**more critical storytellers and journalists**

# Course Objectives

1. Become proficient in several of the most common coding languages and tools used in data journalism and digital storytelling
2. Develop a systems-based understanding of coding skills in data journalism, demonstrating how multiple technologies and skills may be used independently and together
3. Become able to reverse-engineer real-world examples of data journalism and evaluate the variable approaches one might take to create a given digital project
4. Foster critical thinking about how to integrate coding skills into digital storytelling in ways that are intentional, reflective, self-aware, and grounded in journalistic practice

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# What we will do

We'll take a tour through the landscape of data storytelling and design and its related technologies, picking up essential concepts in HTML, CSS, JavaScript, Python, APIs, databases, and more

## What we will not do

We won't take a deep dive into these topics and become full-stack developers

We will be chasing after proficiency, not mastery



## Things you should be able to do by the end of this course

- Intelligently search for solutions to common coding problems
- Fluently read and debug your code and code written by others
- Reverse-engineer real-world examples of digital storytelling
- Critically evaluate different pipelines for creating digital projects
- Construct a scrollytelling news article

# Course components

10%	Class participation
20%	Homework assignments
30%	Final project assignments
40%	Final project

# Vocabulary

We will work together to build a vocabulary list of key terms related to the topics we cover

That vocabulary will help us intelligently search for and find solutions to coding problems we encounter

# Final project

In small teams, you'll create a scrollytelling piece on a topic of your choice

The piece will be written like a news article and feature modules of content built up over the course of the semester

More information coming soon

# Course outline

Week 1	January 8, 2019	Introduction to HTML and CSS
Week 2	January 15, 2019	Introduction to HTML and CSS, continued
Week 3	January 22, 2019	Introduction to JavaScript and data structures
Week 4	January 29, 2019	Introduction to JavaScript, continued
Week 5	February 5, 2019	Introduction to D3.js
Week 6	February 12, 2019	Introduction to Python
Week 7	February 19, 2019	Introduction to APIs
Week 8	February 26, 2019	Introduction to databases

# Course outline

Week 9	March 5, 2019	<i>No Classes -- Spring Break</i>
Week 10	March 12, 2019	Basic command line tasks
Week 11	March 19, 2019	Designing for multiple platforms -- responsive design, scrollytelling, and more
Week 12	March 26, 2019	Introduction to Git/GitHub
Week 13	April 2, 2019	Special Topics
Week 14	April 9, 2019	Project Work
Week 15	April 16, 2019	Project Work

# Office hours and contact information

## Weekly Office Hours

**COURSE** ✱ Tuesdays, 4 PM – 5 PM

**LIBRARY** ✱ Wednesdays, 10 AM – 12 PM

Snell Library Room 243

## Also available by appointment

[s.braun@northeastern.edu](mailto:s.braun@northeastern.edu)

(617) 373-5885

## More resources at Snell Library

Brooke Williams

Research and Instruction Librarian

Subject specialist for Journalism

[b.williams@northeastern.edu](mailto:b.williams@northeastern.edu)

# Key course resources

Syllabus: [Google Drive](#)

Vocabulary list: [Google Drive](#)

Course materials: Blackboard

Course code files: [GitHub](#)