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## Syllabus

Caleb Smith edited this page 3 days ago · 6 revisions

# UNC School of Journalism - JOMC 583

## Advanced Interactive Development

Interactive data-driven applications and presentations are vital to this new era of journalism. The publishers from large newspaper to small non-profits are publishing more raw data and interactive infographics. This course will teach you how to acquire, analyze and present “big data” as well as some of the basic tools. The goal of this class, therefore, is to help you gain knowledge of both these aspects. You will examine and understand the value of multimedia in the journalism industry and begin to develop the skills to execute your ideas.

### Prerequisites:

JOMC 187 and department consent

### Class Times:

Monday/Wednesday 1:25-3:15 (Carroll - Rm 0059)

### Course Description:

This course will expand on the knowledge and skills learned in J586 and multimedia design by increasing your ability to develop and present media and information. You will learn more advanced CSS and JavaScript but will mostly be working with Django, a python based web framework for making dynamic web sites that use a database.

Producing effective interactive projects requires extensive and detailed skill sets, including:

- Expertise in responsive layout and web design using html, CSS, and JavaScript
- Understanding of how to find, analyze and present data
- Effective use of photography, graphics, artwork, audio, video and the written word

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- Solid, ethical journalistic decision-making policies

Attendance is required, participation is expected and deadlines are absolute. Each student will be allowed one unexcused absence. After the first unexcused absence, each additional absence will result in a 2% reduction in the student's final grade. All assignments are due at 8:00 a.m. on the specified dates unless otherwise specified. NO LATE ASSIGNMENTS WILL BE ACCEPTED unless special arrangements are made prior to the due date.

It is expected that each student in this course will conduct himself or herself within the guidelines of the UNC honor code. All academic work should be done with the high level of honesty and integrity this university demands.

## Instructor

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Information about the course instructor is available here:

<https://github.com/calebsmith/j583/wiki/Instructor>

## Class Time Organization

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Each class will consist of lecture/demonstration and lab time. In most cases students will use lab time to begin work on an assignment that is related to the class material and sometimes due the next class period. Students should plan on spending additional lab time outside of class to complete these assignments.

## Hardware and Software Requirements

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You will be working in Linux and Unix so bring your laptop. Learn More here:

<https://github.com/calebsmith/j583/wiki/Environment-Setup>

## Values and Competencies of this Course

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- Understand concepts and apply theories in the use and presentation of images and information;
- Demonstrate an understanding of professional ethical principles and work ethically in pursuit of truth, accuracy, fairness and diversity;
- Think critically, creatively and independently;
- Apply tools and technologies appropriate for the communications professions in which they work.

## Skill Focuses

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- Understand how to use the Unix/Linux command line interface
- Understand version control and software collaboration tools such as git and GitHub.

- Understand the basics of computer programming in a beginner friendly, yet powerful language (Python)
- Understand data modeling and the use of SQL.
- Understand the programming of database enabled web applications with Django.

## Grading and Assignments

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The grading rubric and course assignments are available here:

<https://github.com/calebsmith/j583/wiki/Grading-Policy>

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