# **ITMD 361: Fall 2017**Fundamentals of Web Development

This class covers the foundational principles of web development. How to research client-server architecture according to current open standards. Taught by [Professor Daniel Krieglstein](https://dkriegls.github.io/itmd-361-fall2017/syllabuspages/projects.html#instructor). Course developed by IIT Professors [Brian Bailey](https://appliedtech.iit.edu/people/brian-bailey), [Dr. Karl Stolley](https://humansciences.iit.edu/faculty/karl-stolley), & Daniel Krieglstein.

## Major Projects

### PROJECT ONE: VALID, RESPONSIVE-READY HTML

#### Project Description

Create three richly structured HTML pages that will form the foundations of a professional web presence for yourself. One of the pages must be your professional resume.

#### Project Goals

* Write standards-compliant HTML-5**[Error! Hyperlink reference not valid.]( )**
* Use HTML validator to assure compliance
* Track the development of a project over time and collaborate with others using Basecamp

#### Deliverables & Milestones

1. **Due: Tuesday, September 19th, 11:59pm Chicago** Create a Basecamp post describing your work in progress. Title the post with your name and project number (example Daniel Krieglstein: Project 1). Your post should include the URL to your GitHub repository, and two questions eliciting feedback on from fellow students.
2. **Due: Tuesday, September 26th, 11:59pm Chicago** Give constructive comments to help at least three other students.
3. **Due: Tuesday, October 03th, 11:59pm Chicago** Edit your original basecamp post under Project 1 by fixing your code based on feedback from the professor and fellow students
   1. A 3-4 sentence self-critique memo of your project and your progress in class to this point
   2. The https:// link to your project’s GitHub repository

#### Requirements

* NO CSS IN YOUR HTML FILE!!! This means no style in your content page.
* All source files in UTF-8/Unicode character encoding with Unix-style line endings (LF), entabbed with spaces (two spaces per tab)
* Valid, well-formed semantic HTML5. Projects whose HTML does not validate with the [W3C HTML validator](https://validator.w3.org/) will receive a zero-point, failing grade. Get in the habit early of validating your HTML before you commit to Git.
* Only structural, semantic uses of HTML elements and attributes. **Absolutely no**table markup, break tags, or any other use of HTML to achieve a particular page layout. (All layout and design will be handled via CSS in the next project. For this project, I urge you not to spend much time at all looking at your pages in a browser. Stick close to your source code and the HTML validator.)
* A semantically structured navigation area for accessing each of your project’s pages from any other page
* Include at least two different forms of media (image, audio, video) in your project
* Organized, readable source that is hand-written and original (no WYSIWYGs or code-generators, no Bootstrap or other off-the-shelf frameworks)
* Directory-based URLs with use of the default-served index.html file, so that you can point to, for example, example.com/resume.html
* A Git repository with frequent commits and meaningful commit messages that accurately reflect each set of changes that you make
* Git repository must contain **only** the files and commits from this project