[CourseSite](https://github.com/MOQN/IMA-Web-Page-To-Web-Space) | [Zoom](https://nyu.zoom.us/j/4567891128?pwd=M0t3MzA1ZldCd0c0K0pmRXQzckw5dz09) | [Slack](https://join.slack.com/t/wp2ws/shared_invite/zt-ld8wl0wk-t3tQKBpBEKqQjL4d1_fOyA) | [Glitch](https://glitch.com/edit/#!/empty-sketch-for-wp2ws)

Web Page to Web Space

Course Schedule | Spring 2021

## 

# **W01 Introduction to Web Page to Web Space** | Jan 25, 2021

## Concepts and Activities

Lecture:

* Class introductions ([slides](https://docs.google.com/presentation/d/1VDj0Rc9gYMdNUzi6nbNfFF4reAhIzLrBUeI-JDDHYAg/edit?usp=sharing))
* Overview of materials to be explored
* Discussion of project expectations
* Overview of Instructional Tools

Asynchronous exercises:

* Transformation functions in p5.js ([slides](https://docs.google.com/presentation/d/1rBdg_g8lz-O6_WkaatfZa5LmG5J7rmDXFS_b8pOczdU/edit?usp=sharing))
* Vectors ([slides](https://docs.google.com/presentation/d/1HcRvZMOxkzLmWckT0_2c5ITtQ5Pgm2UJ2L9Kieh0THw/edit?usp=sharing))
* Vector math functions in p5.js ([reference page](https://p5js.org/reference/#/p5.Vector))
  + add(), sub(), mult(), div()
  + copy(), setMag(), limit()
  + heading(), rotate(), fromAngle()
* Math functions in p5.js
  + map(), constrain(), lerp()

**Assignment Due Jan 31, 2021**

* [Transformations and Vectors in p5.js](https://docs.google.com/document/d/1erDd2Y0tFoCusvvvt8IOuH8yikdA1XDe3kxLMm4JKEc/edit?usp=sharing)
* Readings: The Nature of Code
  + [Chapter 1. Vectors](https://natureofcode.com/book/chapter-1-vectors/)
  + [Chapter 2. Forces](https://natureofcode.com/book/chapter-2-forces/)

Additional Reading, Watching, and Resources:

* [p5.js reference](https://p5js.org/reference/)
* The Coding Train - [Code! Programming with p5.js](https://www.youtube.com/playlist?list=PLRqwX-V7Uu6Zy51Q-x9tMWIv9cueOFTFA)
* Getting Started with p5.js ([Link to the book in NYU library](https://ebookcentral-proquest-com.proxy.library.nyu.edu/lib/nyulibrary-ebooks/detail.action?docID=4333728))