

# Creative Coding

Introduction

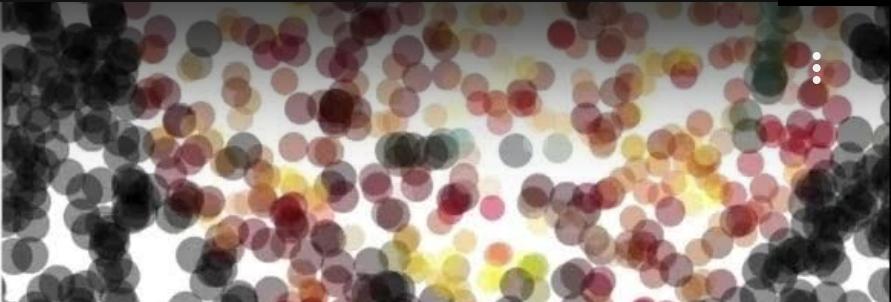
COD 207 - Week 01 Class →



- 1. Week 01 - Creative Coding
- 2. Hello World
- 3. Technology & Hardware
- 4. Books on Creative Coding, Algorithmic Art, and Philosophy
- 5. Learning Tools
- 6. Social Media → Hashtags & Accounts
- 7. Course Materials
- 8. Syllabus
- 9. Grading
- 10. Variables
- 11. Condition 1
- 12. Condition 2
- 13. Condition 3
- 14. BREAK
- 15. Randomseed Instagram Account
- 16. Randomseed Web Page
- 17. YouTube Playlist
- 18. Creative Coding?
- 19. In practice
- 20. Code of Conduct
- 21. Assignment 1
- 22. Assignment 2



Creative Coding p5.js 0101 What is creative coding



# Technology & Hardware

-  Computer, Web Browser
-  Reading
-  Listening
-  Asking
-  Typing
- P5JS (Programming Language)

# Required Books

Make: Getting Started with p5.js

Making Interactive Graphics in JavaScript and Processing

by Lauren McCarthy, Ben Fry, and Casey Rea

P5JS Books 

---

# Books on Creative Coding, Algorithmic Art, and Philosophy

- Generative Design, Benedikt Gross, Hartmut Bohnacker, Julia Laub and Claudio Lazzeroni.
- Learn JavaScript with p5.js, Engin Arslan
- Aesthetic Programming: A Handbook of Software Studies, Winnie Soon, Geoff Cox.
- A Philosophy of Software Design, John Ousterhout Clean Code, Robert C. Martin
- Generative Art A Practical Guide Using Processing, Matt Pearson

# Learning Tools

- [OpenProcessing Community Page - Sign Up](#)
- [p5js Editor - Sign Up](#)
- [p5.js Tutorials by Daniel Shiffman/Coding Rainbow - YouTube](#)
- [Homepage | p5.js \(p5js.org\)](#)
- [Latest p5.js topics - Processing Foundation](#)
- [Reference | p5.js \(p5js.org\)](#)
- [Examples | p5.js \(p5js.org\)](#)

# Social Media → Hashtags & Accounts

#p5js

#generativeart

#algorithmicart

#creativecoding

#codeart

#generativedesign

# Course Materials

Course instructor distribute the necessary pdf documents, videos and sound recordings



# Syllabus

Go to LMS and view the syllabus → ⌂ download





# Grading

- Assignments 30%
- Final Project 30%
- Presentation 10%
- Attendance 30%



# Variables

```
1 // Declaration of variables  
2  
3 var missed_assignment_Count;  
4 var missed_class_Count;  
5 var missed_final_project;
```

# Condition 1

```
1 // Number of missed assignments
2
3 if(missed_assignment_Count > 3) {
4     failed();
5 }
```



## Condition 2

```
1 // Number of missed classes  
2  
3 if(missed_class_Count > 3) {  
4     failed();  
5 }
```



# Condition 3

```
1 // Missed Final Project Submission & Presentation  
2  
3 if(missed_final_project >= 1) {  
4     failed();  
5 }
```



That is why you fail.



BREAK

10 mins.

# Randomseed Instagram Account



COD 207 Randomseed Instagram Account

# Randomseed Web Page

@

COD 207 Randomseed Web Page

Safari Fájl Szerkesztés Nézet Előzmények Tárolt



YouTube HU



Includes documentation and how to videos

Kezdőlap

Felkapott

Creative Coding Selected Student Works

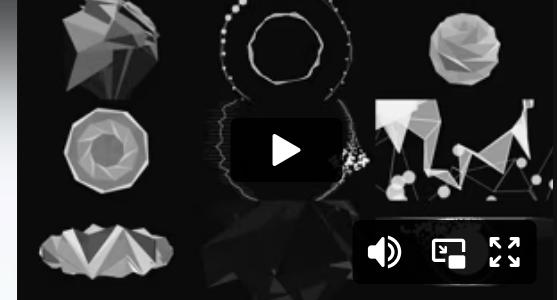
Feliratkozás

KÖNYVTÁR

Előzmények



# Creative Coding?





unnamed soundsculpture (by Daniel Franke & Cedric Kiefer) at Louise Alexander Gallery





## Becoming a Creative Coder -- Designer vs. Developer #7





# Creative Coding p5.js 0101 What is creative coding





# Learn Advanced Creative Coding



Bruno Imbrizi



# RandomSeed Community Statement

This class is intended for students interested in exploring the creation of art and design with technology. We are a community of, and in solidarity with, people from every; `gender identity` and

`expression`, `sexual orientation`, `race`, `ethnicity`, `language`,  
`neuro-type`, `size`, `disability`, `class`, `religion`, `culture`,  
`subculture`, `political opinion`, `age`, `skill level`,  
`occupation`, and `background`.

# In practice

No need to be 🙄 🙅 🙊

- 👉 We insist on actively engaging with requests for feedback regardless of the frame.
- 💯 We believe in the power of community and all types of communication.
- ⛑ We are always willing to offer help or guidance.
- 🤔 You are here to ask questions, not to be questioned. We are always willing to listen.



# Code of Conduct



**Be mindful of your language.** Any form of impolite conduct is deemed unacceptable.

**Be respectful.** Disagreement is not an opportunity to attack someone else's thoughts or opinions. Although views may differ, remember to approach every situation with patience and care.

**Be open minded.** Embrace new people and new ideas. Our community is continually evolving and we welcome positive change.





Hulk Vs Loki - Puny God



Paylaş



İzlemek için: YouTube

# Assignment 1

Take a sheet of paper and ruler. Draw the instructions below.

1- Mark 100 random points on a A4 sheet.

2- Draw circles around each point with a random radius.



# Assignment 2

- Review the following page → <https://p5js.org> 
- Sign Up and create your personal account on P5JS editor .
- Sign Up and create your personal account on OpenProcessing .
- Watch the videos mentioned in the class
- Read the "Preface", "Chapter 1", Hello from the book and practice on P5JS editor.
- Research about Vera Molnar, Frieder Nake, and Sol LeWitt. Choose one of them and upload one of the artists algorithmic art image.

