

Creative Coding

Introduction

COD 207 - Week 01 Class →



- 1. Week 01 - Creative Coding I
- 2. Table of contents
- 3. αλπ τυγαν
- 4. Projects & Open-source Apps
- 5. RAW
- 6. Survey
- 7. Video 1 - Portfolio
- 8. Video 2 - Creative Coding
- 9. Video 3 - Creative Coding Porjects
- 10. Requirements
- 11. Required Books
- 12. Books on Creative Coding, Algorithmic Art, and Philosophy
- 13. Tools
- 14. Social Media
- 15. Course Materials
- 16. Syllabus
- 17. Grading
- 18. How to fail?
- 19. Variables
- 20. Condition 1
- 21. Condition 2
- 22. Condition 3
- 23. BREAK
- 24. Generative Art Speedrun
- 25. Randomseed Instagram Account
- 26.  YouTube Playlist
- 27.  Selected Projects
- 28. Becoming a Creative Coder
- 29. Community Statement
- 30. In practice
- 31. Code of Conduct

αλπ τυγαν

Algorithmic Art

Artworks → [Instagram](#) & [alptugan.com](#)

Music & Sound

A/V Live Coding → [RAW](#)

Performances → [Youtube](#)

Academy

Özyegin University → Communication Design
(2015...)

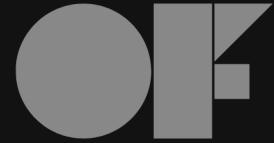
Studio

Filiqa Interactive → Art+Design+Technology

Projects & Open-source Apps



p5.js





Pre-survey

Please kindly respond to the questions
anonymously and truthfully.

- Navigate to ÖZÜ LMS
- Fill the survey.
- Submit your answers.

 Survey Link

A circular portrait of a man with dark hair, a beard, and glasses, wearing a dark jacket over a white shirt.

CREATIVE ALGORITHMS





Learn Advanced Creative Coding

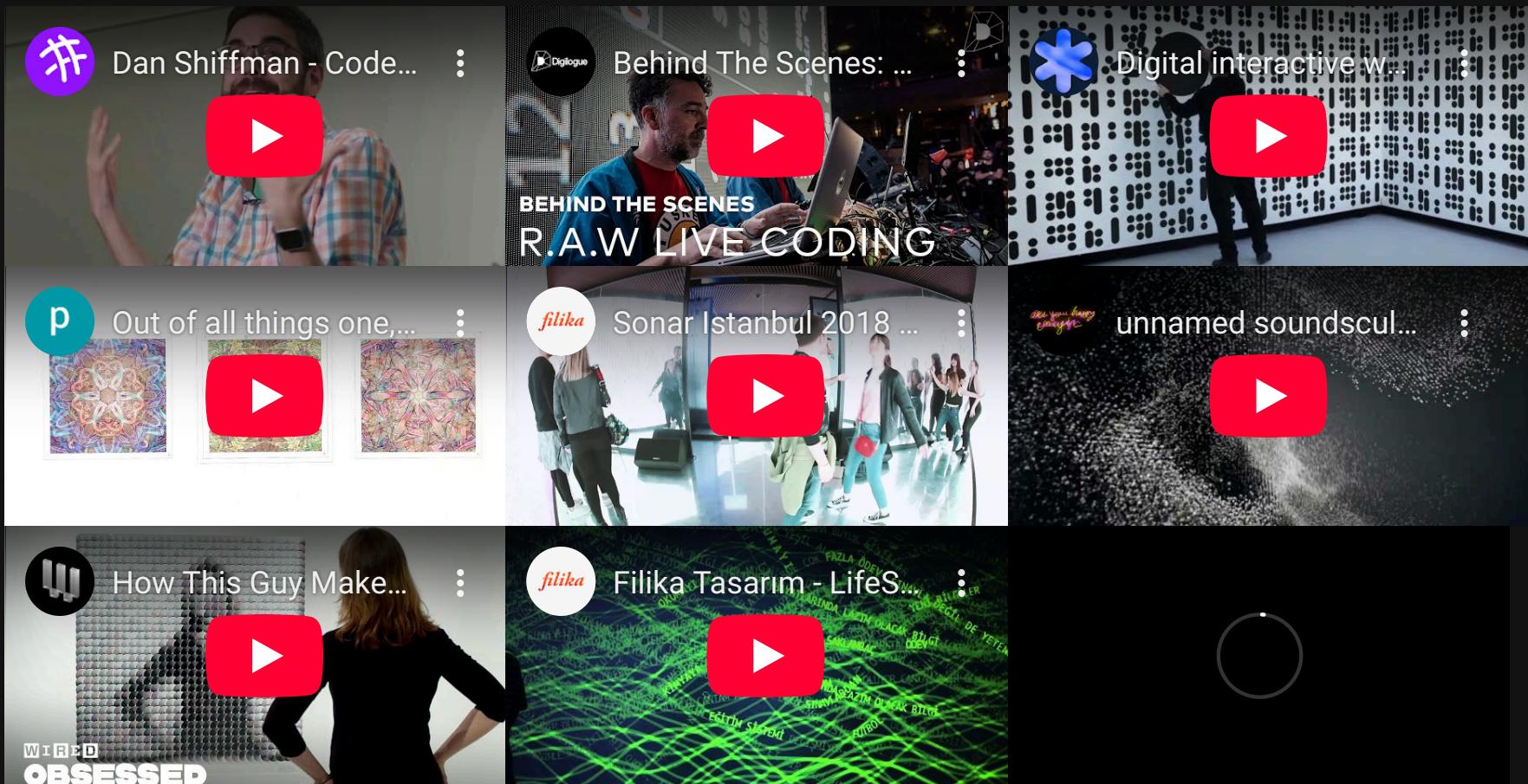


Bruno Imbrizi

DOMESTIKA

İzlemek için: YouTube







Requirements

- 🖥 Computer, Web Browser
- 👁️ Reading
- 🎧 Listening
- 💬 Asking
- ⌨️ Typing (using two hands 🙏)
- P5JS (Javascript Library)

Required Books

Make: Getting Started with p5.js

Making Interactive Graphics in JavaScript and Processing
by Lauren McCarthy, Ben Fry, and Casey Rea

Amazon link [🔗](#)

Other Resources [🔗](#)

For [PDF](#) → ÖZÜ Library.



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

Tools

- [OpenProcessing Community Page - Sign Up](#)
- [p5js Editor - Sign Up](#)

Reference

- [p5js.org](#)
- [p5.js Community Forum](#)

Tutorials

- [p5.js Tutorials by Daniel Shiffman/Coding Rainbow - YouTube](#)
- [p5.js Tutorials by Patt Vira](#)

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.



Grading

Your overall grade for the class depends on the following subjects;

- ✓ Attendance 30%
- ✍ Assignments 30%
- 🕹 Final Project 30%
- ▶ Presentation 10%



Variables

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

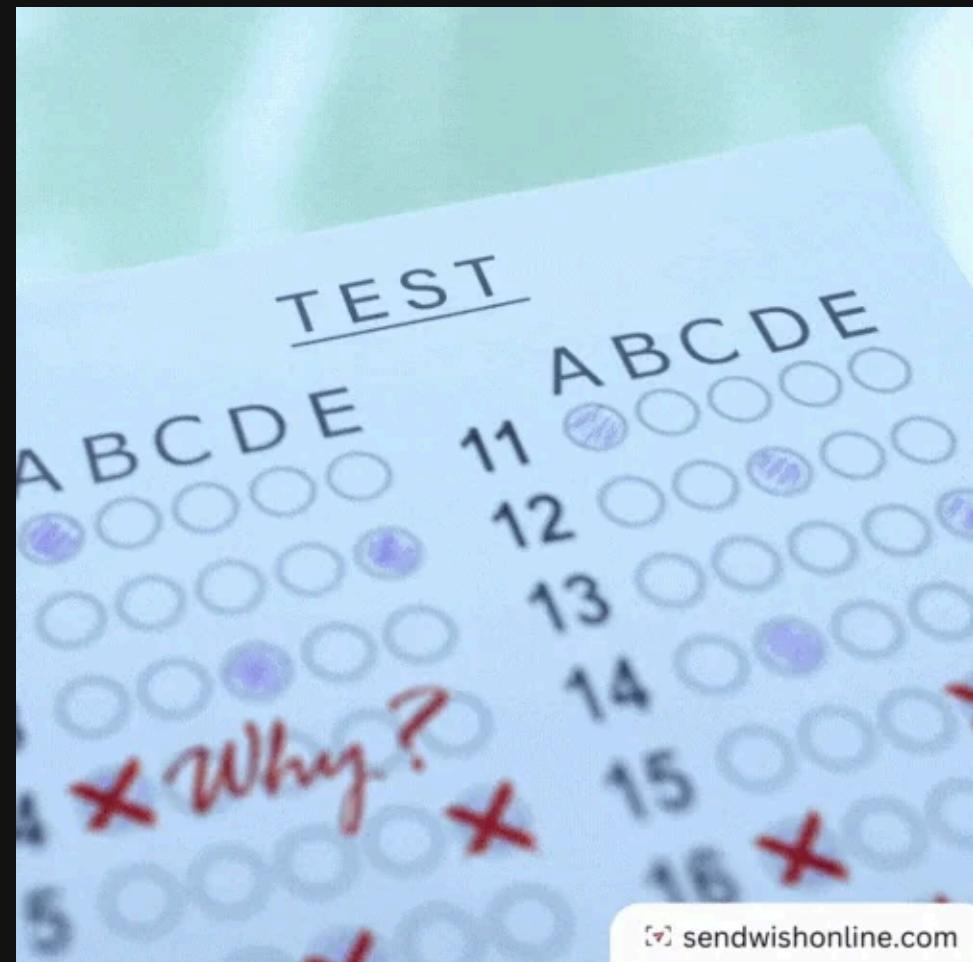
Condition 1

```
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...



Tim Holman - Generative Art Speedrun



Paylaş



İzlemek için: YouTube



Randomseed Instagram Account

© COD 207 Randomseed Instagram Profile



Youtube Playlist

Includes selected student projects

© Creative Coding Selected Student Works



Selected Projects

Includes selected student projects Creative Coding I (2021-2022)

[© Creative Coding Selected Student Works](#)

Mustafa

VS

Mariko



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`, `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

Due to next week's class.

- ✓ Complete Fundamentals of Creative Coding, brilliant.org (First 6 modules)

- ✍ Submit the screen shot of the page that shows completed modules.

- 📝 Write down your thoughts about what you get from the exercises shortly (min. 250 words).

- 🌐 Sign Up on openProcessing and P5JS Editor

- 📚 Read the "Preface", "Chapter 1", Hello from the book and practice on P5JS editor

- 🔗 Review the p5js page



Videos

Watch the following videos.

Generative Machines with Matt DesLauriers → [link](#)

Algorave Generation → [link](#)

Coding Creativity - how to be an artist using code? → [link](#)

Tim Holman - Generative Art Speedrun → [link](#)

How To Draw With Code | Casey Reas → [link](#)

History of Generative Art → [link](#)

