

Creative Coding 2023

Instructor: Neng-Hao (Jones) Yu

Course website: <https://openprocessing.org/class/83620>

Instructors & TAs

- Neng-Hao (Jones) Yu / 余能豪
 - Email: jonesyu@mail.ntust.edu.tw
 - Office: T1-401
 - Office Hours: Thu. 1:30-4:30pm
- TAs:
 - Evita Huang / 黃采媛 / aomihitomi08311006@gmail.com
 - ChatGPT / <https://chat.openai.com/>

Why should we learn programming



Course goals

- ❑ Gain computational thinking
- ❑ Understand the basic concepts of computer programming
- ❑ Apply the programming skill across a range of languages
- ❑ Literally code and create programs



Course format

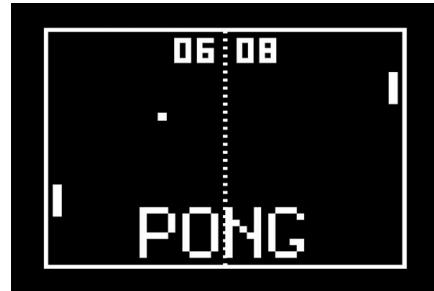
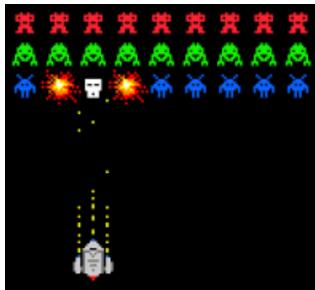
Lectures

+

In-class exercise

- ❑ Fundamental concepts
- ❑ Demo w/ games

- ❑ Hand-on coding challenges
- ❑ Completing challenges earns points
- ❑ Encourage peer support



Supplementary material

- <http://programming101.formosasoft.com/course/26>



Assignments



<https://programming101.ntust.edu.tw/games.html?nth=6>

Final group project



<https://www.youtube.com/watch?v=TBgJsPvM3EY>

Honor code

- Cheating, plagiarism, or any form of academic dishonesty will not be tolerated
- Violations of the honor code will be taken seriously and may result in penalties, up to and including failure of the course
- Fair use of code:
 - Provide proper attribution of the source code
 - Understand the code you used

Grading

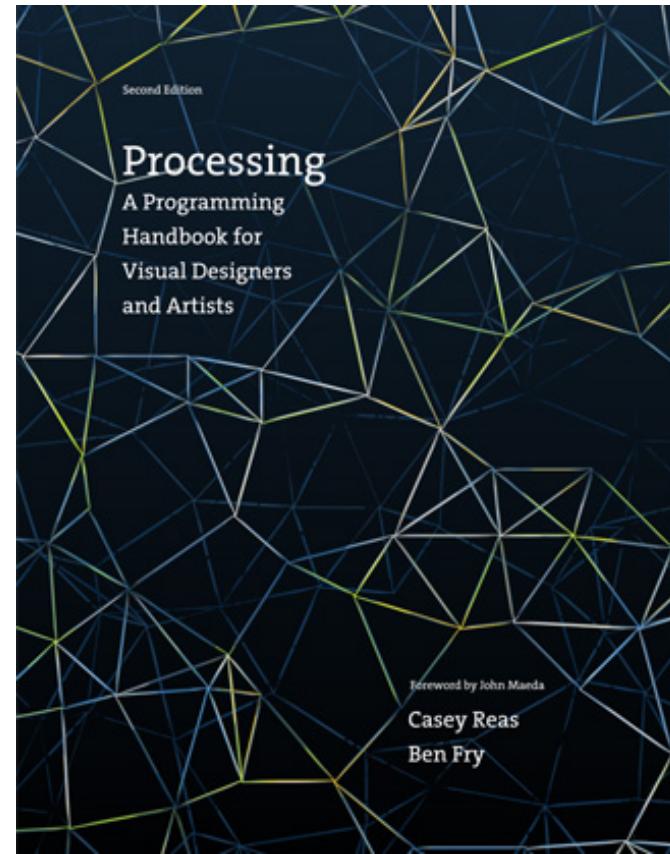
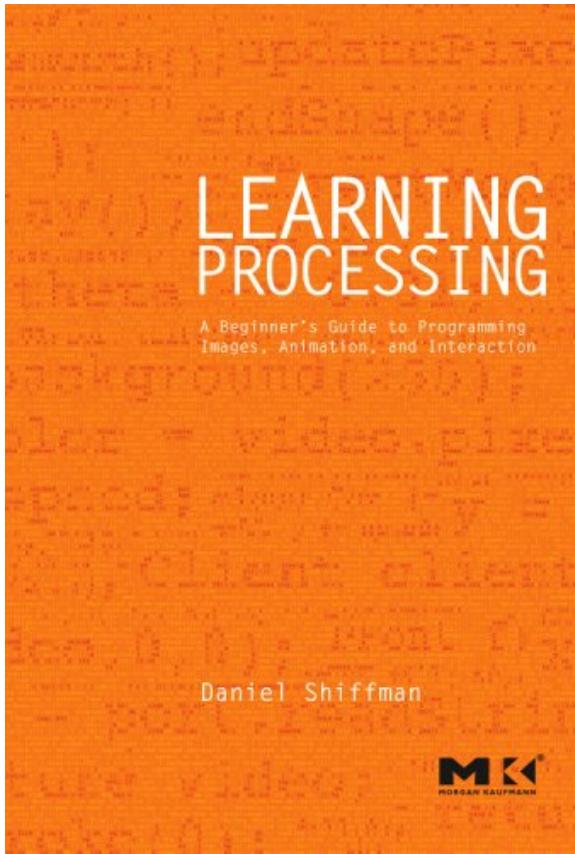
- ❑ Code assignments (36%)
- ❑ In-class exercises (34%)
- ❑ Final group project (30%)

Final demo

<http://programming101.ntust.edu.tw/final/1072>



Reference books



- Daniel Shiffman (2015), Learning Processing (2nd Edition), Morgan Kaufmann
- Casey Reas and Ben Fry (2014), Processing: A Programming Handbook for Visual Designers and Artists (2nd Edition), The MIT Press

Online Resources

- <https://www.youtube.com/@TheCodingTrain>
- <http://processing.org/tutorials/>
- <openprocessing.org>
- <https://www.kadenze.com/courses/the-nature-of-code/info>
- <http://programming101.formosasoft.com/course/26>

Questions

- ❑ Any questions / comments?
- ❑ Feel free to speak up at any time

FAQ

- Do I require any prerequisites?**
 - No. We prefer beginners.
- Can I learn without being good at Math?**
 - Yes. The course won't cover very difficult Math.
- How proficient in English do I need to be to take an EMI course?**
 - Just basic level of English proficiency is OK.

Today's activities

- ❑ Install Processing 4
- ❑ Register openprocessing.org
- ❑ Enroll supplemental material website
- ❑ Play with the examples