Fundamental Programming Course Info

亞大資工系

Content

- Curriculum Regulations
- Course Schedule
- Teaching material

Curriculum Regulations

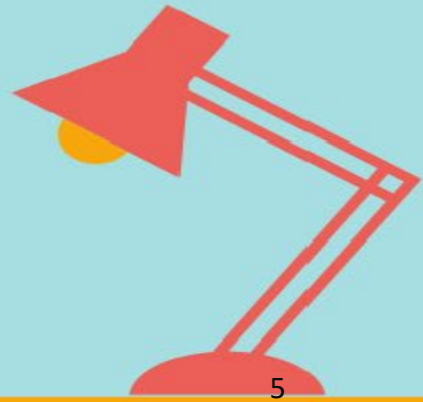
- Exam every 6 weeks (M1, M2, M3)
- Test using the CSUS Programming Contest Control (PC^2) tool.

Schedule

W1
W6
W7
W12
W13
W18
(9/13)
(10/18)
M1Test
(10/25)
(11/29)
M2Test
(12/6)
(1/10)
M3Test

Syllabus

- W1 - Python Introduction and Programming Tools
- W2 - Variables and Operations
- W3 - loop and format output
- W4 - Judgments and Containers
- W5 - String Processing and I/O
- W6 - M1 Quiz
- W07 - Dictionary
- W08 - File I/O
- W09 - Function
- W10 - Advanced Flow Control
- W11 - Advanced Operations
- W12 - M2 Quiz
- W13 - Generator
- W14 - Category
- W15 - Decorator
- W16 - Module and package
- W17 - Advanced Programming
- W18 - M3 Quiz

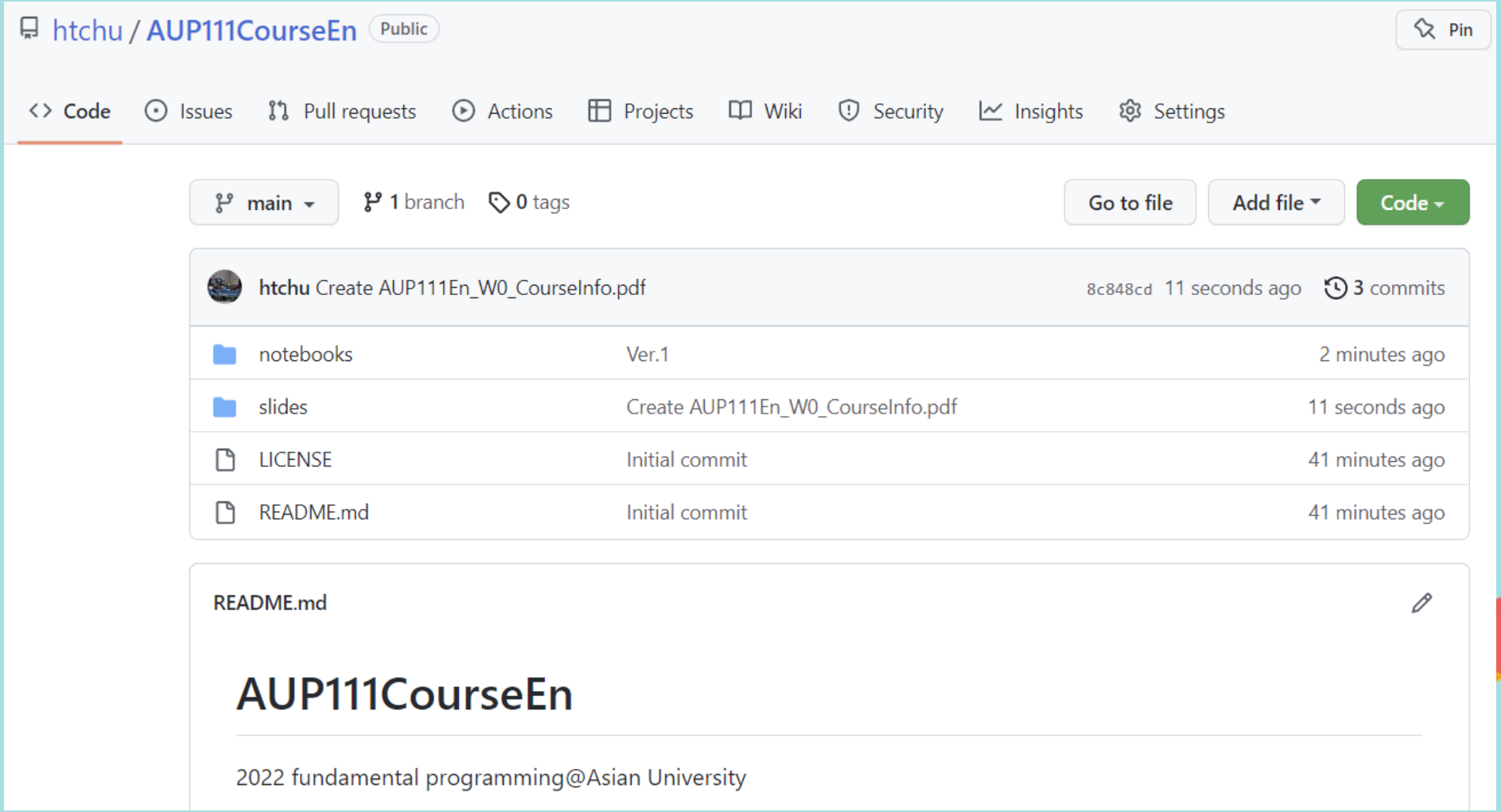


Learning python programming in 2022

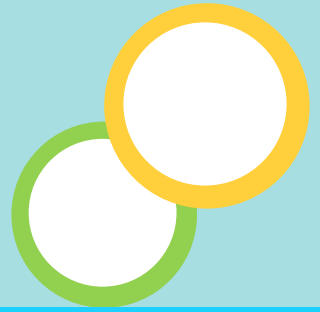
- Learning python programming：
  - KISS: Colab+Github
  - IPO model: input-process-output

- python特色語法：
  - Big three components: iterators, generators, decorators
  - lambda function
  - asyncio (Since 3.4)
  - f-string (Since 3.6)
  - match-case (Since 3.10)

Courseware-Github



https://github.com/htchu/AUP111En

Thanks!

Q&A