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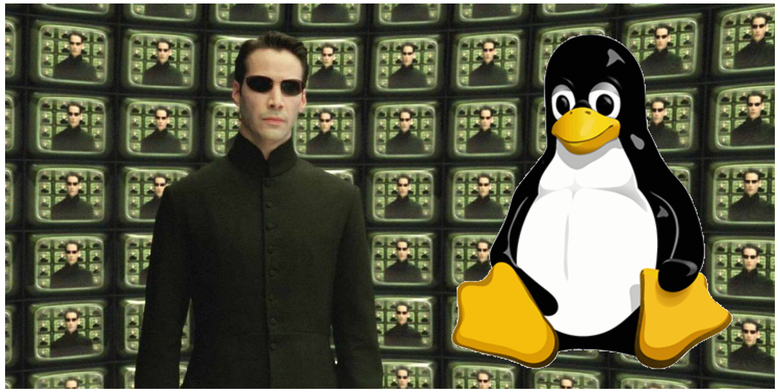
CSCI 120
Introduction to Computer Science and Programming I
Lecture 0: Administrations



Jetic Gū

2021 Fall Semester (S3)

Overview

- Focus: Course Introduction
- Architecture: Python
- Core Ideas:
    1. Are you in the right place?
    2. Some basic information regarding the course

About The Course

- Python is one of the most popular programming languages
- Python is the most popular programming language in AI research
- Python is the most popular programming language in big data

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About The Course

- Website:
  - https://jetic.org/kurs/csci120
  - Slides (after class), Online Tests, Assignments, All handouts
  - Online Judge: http://139.162.15.171:81
- Email:
  - jgu@columbiacollege.ca

About The Course

- References
  - *Problem Solving with C++*, 10/E, Walter Savitch, ISBN-10: 0133591743 • ISBN-13: 9780133591743, Addison-Wesley
  - *Introduction to Algorithms*, 3/E, Cormen et al., ISBN-10: 9780262033848, ISBN-13**:** 978-0262033848, The MIT Press

About The Course

- First/second year undergraduate level
- Computing science, Computing engineering, Software engineering, Electric engineering, etc.
- Workload: mid

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Grading

- Assignments: 10% (Online, not using moodle)
- Lab: 40% (OJ System, not using moodle)
- Midterm: 20% (OJ System + Online, not using moodle)
  - 22 Oct 2021, In class
  - 19 Nov 2021, In class
- Final exam: TBA 30% (OJ System + Online, not using moodle)

Grading

- Online Assignments: multiple choice questions
- Labs: Online Coding (using OJ)
- Final + Midterm
  - Multiple Choice Questions
  - Question Answering
  - Online Coding (using OJ)

Programming Language Selection

- Python
  - Lightweight: you don’t need compilers
  - Powerful: 1 line of python[1] instead of 200 lines of C++
  - Popular: well supported libraries to support you

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1. Could be a long line

Course Objective

- Understanding how computer programmes work
- Python programming: how to realise an algorithm
- Basic data structures
- WARNING: math

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Questions?