EECS 1530

Computer Use: Programming

Please note

Course credit exclusions: LE/CSE 1530 3.00, AK/AS/SC/CSE 1530 3.00, LE/EECS 1540 3.00, LE/CSE 1540 3.00, AK/AS/SC/CSE 1540 3.00.

NCR Note: This course is **not** open to any student who has passed or is taking LE/EECS 1020 3.00 or LE/SC/CSE 1020 3.00 or LE/EECS 1021 3.00 or LE/EECS 1022 3.00 or AP/ITEC 1620 3.00

Self introduction

Anni Siren

- B.Sci 2012
- M.Sci 2014
- PhD Student 2018-2021
- SCALE (The Software Construction, AnaLytics and Evaluation) lab
- Research: Software Architecture
- Favorite programming languages:
  - Python
  - JavaScript
  - HTML/CSS

Contact info

Office hours starting January 14th - Excluding reading week (Feb. 15-21)

- Tuesdays: 10-11am - LAS 2002A
- Wednesdays: 4-5pm - LAS 2002A

Moodle forums - questions about course material & assignments

Email - for administrative matters

- asiren@eecs.yorku.ca

Learning objectives

By the end of the course you should be able to:

- Understand basic programming terminology
- Create and execute simple programs
- Understand basic data science terminology and concepts
- Be able to use the internet to find solutions for simple programming problems

Learning objectives

Concepts:

- Programming language (Python)
- Algorithms
- Software engineering

Course structure

Assignments (20%) - 9 assignments (lowest score dropped, 2.5% each)

Pre-class quiz (5%) - 1 per week

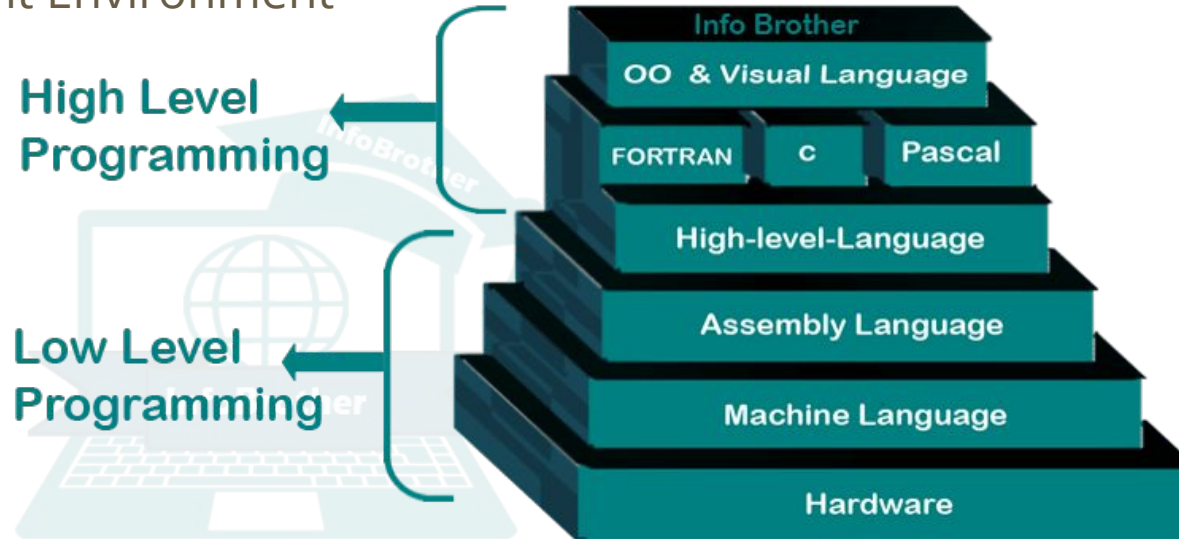In-class quiz (30%) - 3 quizzes 10% each

Final exam (45%)

Introduction to Python

High vs low level programming language

IDE - Integrated Development Environment

Python

Beginners guide

Introduction to IDE

colab.research.google.com