CSCI 150
Introduction to Digital and Computer System Design
Lecture 0: Administrations

Jetic Gū

2022 Fall Semester (S3)

Overview

- Focus: Course Introduction

- Architecture: modern digital circuits

- Core Ideas:

  1. Make sure you are in the right classroom

  2. Some basic information regarding the course

About The Course

- How information is represented in any digital device

- How information is processed in any digital device

- How computers work

- How to design processors

Concept

About The Course

- Website:

  - https://jetic.org/kurs/csci-150/

  - Assignments, Labs, Previous FLEX Videos, etc.

- Contact:

  - I prefer Microsoft Teams, or you can email: jgu@columbiacollege.ca

  - Make sure you include [CSCI150] in your email title

Concept

About The Course

- Textbook

  - *Logic and Computer Design Fundamentals*, 5th edition, M. Morris Mano, Charles R. Kime, Tom Martin, Pearson, 2016 (4th edition is OK)

    - Chapter 1, 2, 3, 4, 6

  - *LogicWorks5*, Capilano Computing Systems Ltd, Addison-Wesley, Manual & software used for digital hardware simulation.

    - You will need the software

Concept

About The Course

- First/second year undergraduate level

- Computing science, Electric engineering, etc.

- Workload: medium

Grading

- Assignments: 10%

- **Labs: 40%**

- Quiz: 10%

- Midterm: 20%

- Final exam[1]: 20%

- Labs are the most important component!

1. Final Exam may be substituted with **Project, discuss with me before week 11**

Concept

Grading

- **Assignment**: completed online, no other submission
  You may attempt as many times as you want, highest score will be considered

- **Lab**: submission on Moodle

- **Quiz&Midterm&Final**: TBA

  - Midterm: Week 9

  - Final: Week 14

Concept

Grading

- **Assignment**: completed online, no other submission
  You may attempt as many times as you want, highest score will be considered

- **Lab**: submission on Moodle

- **Quiz&Midterm&Final**: TBA

  - Midterm: Week 9

  - Final: Week 14

Concept

?

What's the difference between Secondary Education and Post-Sec?

What's the difference between Arts/SS and Science/Engineering?

Why are you taking this course?