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CSCI 150

Introduction to Digital and Computer System Design

Lecture 0: Administrations



Jetic Gū
2020 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 processed in any digital device
- How computer chips work
- How computers work
- How any processor in any modern digital machine work
- How to design a processor chip*

About The Course

- Website:
 - <https://jetic.org/kurs/csci150-2020s3/>
 - Slides (after class), Online Tests, Assignments, All handouts
- Email:
 - jgu@columbiacollege.ca

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

About The Course

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

Grading

- Assignments + Lab: 30%
- Quiz: 20%
- Midterm: 29 Oct 2020, In class, 20%
- Final exam: TBA, 30%

Grading

- You will not be penalised for mistakes made in assignments
- Lab reports are marked separately, and mistakes will lose you marks
- You are expected to submit all assignments and lab reports on Moodle
- 4 Quizzes, all on Thursdays, each taking <50mins (1 hour window)
- Quizzes/Midterm/Final all ONLINE, plagiarism will be met with extreme prejudice

Grading

- DO NOT SUBMIT Word documents (*.doc, *.docx) or any other proprietary format!
- PDF submissions for ALL written assignments ONLY. Handwritten ones will not be marked.
- Follow instructions for Labs.
- Violators will not be marked.

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Introduction

Questions?