



23-01-09 05:18

# CSCI 150

## Introduction to Digital and Computer System Design

### Lecture 0: Administrations



Jetic Gū  
2023 Winter Semester (S1)

# 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

# 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](mailto:jgu@columbiacollege.ca)
  - Make sure you include [CSCI150] in your email title

# 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: medium

# Grading

- Assignments: 10%
  - **Labs: 40%**
  - Quiz: 10%
  - Midterm: 20%
  - Final exam<sup>1</sup>: 20%
- Labs are the most important component!
1. Final Exam may be substituted with **Project, discuss with me before week 11**

# 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



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# 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?**