



# CSCI 150

## Introduction to Digital and Computer System Design

### Lecture 0: Administrations



Jetic Gū  
2022 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/>
  - Online Tests, Assignments, Labs, 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<sup>1</sup>: 10%
  - Midterm: 20%
  - Final exam<sup>2</sup>: 20%
- Labs are the most important component!

1. Subject to change depending on whether we can go back to in person  
2. If we become fully online synchronous, additional 10% will be added here

# 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



# Addendum

- All services will be offered in-person and online. This includes:
  - Room 222, the Library and room 340 for those needing computers. Room 340 upon request to Security.
  - Study rooms will be available to students needing access to a space on campus to take a course.
  - The Library circulation desk 8:30am – 5:00pm Monday – Friday and 8:30am – 4:30 Saturdays.
  - Student Services and the Nurses Office will be open during regular business hours.
  - The IT office will be open Monday to Friday 9:00am – 5:00pm They can also be reached at [HelpDesk@columbiacollege.ca](mailto:HelpDesk@columbiacollege.ca).
  - Bookstore: Monday, Jan 10 to Jan. 23 (first two weeks of the Winter 2022 semester) – M-F: 9:00 AM to 4:00 PM. Bookstore: January 24th onwards – M-F: 10:00 AM to 3:30 PM.

# Addendum

- Please note the following:
- All Columbia College students are eligible to receive a \$600 tuition credit from Columbia College for the purchase of an eligible laptop. Please go here for more details, including the specifications and documentation required: <https://www.columbiacollege.ca/laptop-assistance-form>. Questions about the Laptop Assistance Program can be sent to [ssa@columbiacollege.ca](mailto:ssa@columbiacollege.ca)
- Due to an expected increase of illness, hours of operations for College Services may need to change on short-notice. When making appointments, please confirm with the person you are meeting that they will be available as expected.