



22.05.20 13:28

# CSCI 150

## Introduction to Digital and Computer System Design

### Lecture 0: Administrations



Jetic Gū  
2020 Summer Semester (S2)

# 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>
  - Slides (after class), Online Tests, Assignments, All handouts
- Email:
  - [jgu@columbiacollege.ca](mailto: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: 9 July 2020, In class, 20%
- Final exam: 10 Aug 2020, 13:00-16:00, 30%

# Grading

- You will not be penalised for mistakes made in assignments
- Lab reports are part of the assignments but marked separately
- You are expected to submit all assignments and lab reports on CAMS
- 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.
- Violators will not be marked.

Questions?