

# CS 240 – Data Structures and Data Management

## Module 0: Administrivia

Mark Petrick

Based on lecture notes by many previous cs240 instructors

David R. Cheriton School of Computer Science, University of Waterloo

Fall 2020

References: [Course web page](#)

# Course Information

- Course Webpage

<http://www.student.cs.uwaterloo.ca/~cs240/>

Primary source for up-to-date information for CS 240.

- ▶ Lecture slides
- ▶ Assignments / Solution Sketches
- ▶ Course policies

- Main resource: Lectures

- ▶ Course slides will be available on the webpage and LEARN. Video lectures on LEARN.

- Textbooks

- ▶ Text under development by Prof. Therese Biedl, available on LEARN
- ▶ Algorithms in C++, by Robert Sedgewick, Addison-Wesley, 1998
- ▶ Algorithms Design and Applications, by M.T. Goodrich & R. Tamassia, Wiley, 2014 (*newer edition!*)
- ▶ More books on the webpage under Resources
- ▶ Topics and references for each lecture will be posted on the webpage

# Course Information

- Instructors:
  - ▶ Mark Petrick, [mdtpetri@uwaterloo.ca](mailto:mdtpetri@uwaterloo.ca)
- Lectures (slides and videos, posted as needed)  
For all sections.
  - ▶ 001 (Petrick)
  - ▶ 002 (Petrick)
- Office hours (on-line), phone numbers etc.
  - ▶ See web page

# Course Information

## Instructional Support

- Coordinator (ISC): Karen Anderson  
kaanders [at] uwaterloo.ca
  - ▶ Main contact for paperwork
- Assistants (ISAs): Frank Kang (FT), Jason Zhang (PT)  
cs240 [at] uwaterloo.ca
  - ▶ Main contact for questions, piazza, tutorials
- Office hours (on-line)
  - ▶ See webpage
- Grad Instructional Apprentices (IAs): Sajed Haque  
cs240 [at] uwaterloo.ca
  - ▶ Tutorial creation, delivery, piazza
- Grad Teaching Assistants (TAs)
  - ▶ Marking assignments, assessments

# Course Information

Tutorials (released Fridays 4:00PM on LEARN, questions on web + LEARN):

- For all sections
- First tutorial this Friday (Sept 11) will cover some  $\text{\LaTeX}$ (for Assignment 0)

Assignment 0 to learn  $\text{\LaTeX}$  (6 bonus marks on assignment 1 )

# Electronic Communication in CS240

Piazza <https://piazza.com/uwaterloo.ca/Fall2020/cs240>

- A forum that is optimized for asking questions and giving answers.
- You must sign up using your uwaterloo email address.
  - ▶ You can post to piazza using a nickname though
- Posting solutions to assignments is forbidden.

Email: [cs240@uwaterloo.ca](mailto:cs240@uwaterloo.ca)

- For private communication between students and course staff.
- Sending email from your uwaterloo email address and if using your friendly uwaterloo email, include your 8 character (max) Quest username

## Mark Breakdown (Part 1 of 2)

- Final Assessment 25%
    - ▶ date period: TBA
  - Midterm Assessment 10%
    - ▶ A 24 hour period at the end of the week of Oct 26
- } Note: You must pass the *weighted average* of the midterm and the final assessments to pass the course
- 5 Assignments each worth 8% (approx every 2 weeks): total 40%
  - 3 Programming Questions worth 1/2/2% (alternate weeks): 5%
    - ▶ Must pass weighted average of Assignments + Programming Questions to pass the course.
    - ▶ All assignment to be submitted electronically via MarkUs  
File size limited to 5MB.
    - ▶ Due on Wednesdays at 5:00pm  
No lates allowed (documented illness → credit transferred)
    - ▶ Follow the *assignment guidelines*  
(<https://www.student.cs.uwaterloo.ca/~cs240/F20/guidelines.pdf>)  
Marks may be deducted for hard-to-read solutions.

## Mark Breakdown (Part 2 of 2)

- Mini Tests 20%
  - ▶ 5 Mini Tests (Quizzes) on LEARN each worth 4%, approximately every 2 weeks
  - ▶ Each 10-20 randomly chosen multiple choice questions on recently completed lecture modules.
  - ▶ Due on Wednesdays at 5:00pm  
No lates allowed (documented illness → credit transferred)
- Academic Integrity Agreement 0%
  - ▶ Provided by us but must be student signed and submitted for every assignment, mini test, and each of the midterm and final assessments  
Component will not be marked without it.
  - ▶ Due within 2 days of release of component to students and before starting workk on the component.



# Cheating

- Cheating includes not only copying the work of another person (or letting another student copy your work), but also excessive collaboration.
- Standard penalties: a grade of 0 on the assignment you cheated on, and a deduction of 5% from your course grade. You will also be reported to the Associate Dean of Undergraduate Studies.
- Do *not* take notes during discussions with classmates. Wait until at least 30 minutes after before writing or typing

# Courtesy

- Cardinal rule: Do nothing that keeps your classmate from learning and understanding.
- Questions are encouraged, (What is unclear to you probably is unclear for others as well!)

# Multiple sections

There are multiple sections of CS240:

- Same content, same assignments.

# Advice

Watch and listen to all the lectures, on schedule and pay attention!

Study the slides before the lectures, and again afterwards.

Read the reference materials to get different perspectives on the course material.

Keep up with the course material! Don't fall behind.

If you're having difficulties with the course, seek help – don't wait!