CS 240 – Data Structures and Data Management

Module 0: Administrivia

Collin Roberts and Arne Storjohann

Based on lecture notes by many previous cs240 instructors

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

Fall 2022

References: Course web page

Course Information

- Instructors
  - Collin Roberts
    cd2rober [at] uwaterloo.ca
  - Arne Storjohann
    astorjoh [at] uwaterloo.ca

- Lectures (Tuesday, Thursday)
  - 002 08:30-09:50 in EXP 1689 (Storjohann)
  - 003 01:00-02:20 in RCH 309 (Storjohann)
  - 001 02:30-03:50 in MC 4045 (Roberts)

- Office hours, phone numbers etc.
  - See web page

Course Information

Instructional Support

- Coordinator: Karen Anderson (MC 4010)

  kaanders [at] uwaterloo.ca

  ▸ Main contact for paperwork
- Assistant: Angel Liu, Prashanth Arun, Yundi Duan

  cs240 [at] uwaterloo.ca

  ▸ Main contact for questions, piazza, tutorials
- Office hours
  ▸ See webpage

Tutorials (Mondays):

- Schedule $\rightarrow$ web page
- Multiple tutorials cover same material
- Tutorial on September 12, about LaTeX

Assignment 0 to learn LaTeX   (6 bonus marks on assignment 1)

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.

- Textbooks
  - ▶ 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

Electronic Communication in CS240

Piazza

`https://piazza.com/uwaterloo.ca/fall2022/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 (full or partial) solutions to assignments is forbidden.

Email

cs240@uwaterloo.ca

- For private communication between students and course staff.
- You should be sending email from your uwaterloo email address.

Mark Breakdown

- Final 40%

- Midterm 19%
  - Thursday, Oct 20, 4:30 – 6:20pm

Note: You must pass the *weighted average* of the midterm and the final exam to pass the course

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- Assignments 35%
  - 5 assignments each worth 7% each, approximately every 2 weeks
  - 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/f22/guidelines.pdf) Marks may be deducted for hard-to-read solutions.

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- Programming Questions 6%
  - ▶ 2 programming questions each worth 3% each

  - ▶ All programming questions to be submitted electronically via Marmoset

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.

Courtesy

- **Cardinal rule:** *Do nothing that keeps your neighbour from learning.*

- Please silence cell phones before coming to class.

- Questions are encouraged, but please refrain from talking in class.
  (What is unclear to you and your neighbour probably is unclear for others as well!)

- Avoid using laptops and other gadgets in class except for taking notes.

Advice

Attend all the lectures 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.