First day of CPSC 320!

July 3, 2019

Instructor: Susanne Bradley

What's this course about?

- Problem solving!
  - Learning general algorithm design techniques, how to use them, and how to identify them
  - Recognizing similarities between new and familiar problems
  - Identifying promising data structures and computational techniques for a problem
  - Reasoning about the correctness and efficiency of your approach
- ...This is the stuff you want to do **before** you code!

Course philosophy

- You learn best by **practicing**
  - Lectures largely involve problem-solving (with help from me and TAs)
  - BUT: we understand that sometimes traditional lectures help
- You learn best **with your classmates**
  - Opportunities for group work in lecture, tutorial, assignments
  - BUT: we will not **tell you** to work in groups (…except today!)
  - **BONUS POINTS** for awesome student contributions to learning
  - BUT: your course staff is also here to help!

Administrivia

Grading scheme:

Assignments	25%
Midterm exam	25%
Final exam	45%
Tutorial quizzes	3%
Pre-class reading quizzes	1%
Clicker questions	1%

BONUS POINTS: each add 0.15 points to your final grade

Administrivia

- Approximate schedule for most weeks:
  - Tutorial quiz on Wednesday **STARTING TODAY!**
  - Friday tutorial is a "lesson" tutorial
  - Assignment released Wednesday (4:30 pm) and due the following Tuesday night (11 pm)
  - Reading quizzes due on Canvas Sunday night and Thursday night (11 pm)
- Add/drop deadline: Monday July 8
- Midterm exam: Wednesday July 24, 9:30-11 am (in class)
- Final exam: TBD, between August 13 and 17

Administrivia

- Course website: https://www.students.cs.ubc.ca/~cs-320
- Links to Canvas and Piazza on the webpage
  - You will need the access code for Piazza – it was emailed to you last week and is on our Canvas landing page
- We will use Gradescope for grading and assignment submission
  - Gradescope account is linked to your CS ID, so **RUN GETACCT NOW** (https://www.cs.ubc.ca/getacct) if you haven't already
  - Invites to the Gradescope page will go out later in the week
- If using iClicker for your phone or laptop: course code is CPSC 320, title is Intermediate Algorithm Design and Analysis, term is 2019S2

Class activity!

While Susanne discusses activity with volunteers **do**:

Get into groups of (approximately) three – introduce yourselves!

If you see someone near you who is not in a group:

Invite that person to join your group!

Fill in your preferences for the chocolates and donuts listed on the

Stable Marriage Problem worksheet

If you have extra time: discuss fun things you did this summer, your best experience in a course, etc.