Welcome to CMPT 225
Data Structures and Programming

My name is Anne Lavergne

Lecture 1 – Overview
Today's menu

- What is CMPT 225 all about?
- Course resources
- Important points
- Activity
What is this course all about?
Data Structures and Programming

Problem/task

Software development process

Solution

OOD &
Data Structures

Recursion

Complexity
Analysis

C++ &
OOP

Test cases &
test drivers

Step 2
Design solution

Step 3
Implement solution

Step 4
Test solution
Course resources

- Course web site:
  http://www.cs.sfu.ca/CourseCentral/225/alavergn
- Textbook
- Platform: Linux (Ubuntu 16.04.04) in CSIL (command-line interface)
- Language: C++ (g++ - gcc version 7.4.0)
  - “Ground zero” -> platform used in our labs and to mark our assignments
Important points!

Please …
- Print partial lecture notes and complete them during the class
- Use computer only to take notes
  - No email/Internet/games/etc…
- If you use your computer, sit in the last 3-4 rows at top of classroom
  - This way, you are unlikely to disturb other students
- Do not use your telephone during lectures and do not take pictures of slides
- Arrive on time to the lectures
- Keep an eye on your @sfu.ca email account

... Thank you!
Activity

Goal:
- Take stock of our current object-oriented programming (OOP) knowledge
  - For example: creating classes
- Warm up our C++ programming skills
- Provide feedback to the instructor
Activity

- Form a team of 3
- Elect one person to come and pick up the 2 handout sheets (1 x yellow and 1 x green)
- We have until end of lecture to answer 10 questions on the handout
- At the end of the lecture, please, submit both sheets of the handout (stapler available)
- This activity counts as our first participation activity
  - Note: we get 0.5% for doing it, not for getting it right!
- The handouts will be available on the Course Web Site
Question?

- Waiting list?
Summary

- What is CMPT 225 all about?
- Course resources
- Important points!
- Activity
Next Lecture

- Abstract Data Type (ADT)