Introduction
Welcome!

- These slides are designed to accompany the CS 135 course at UNLV which focuses on introductory programming in C++
- The knowledge you gain in this course is the backbone of many other courses
- Getting off to a good start with this course will make future courses much easier
Course type

• Blended learning / flipped classroom
• Traditional:
  1) Lecture
  2) Long reading
  3) Homework, quizzes, and exams
• Blended:
  1) Short videos
  2) Short reading
  3) Interactive lecture
  4) Homework, quizzes, and exams
Course type

• Goals:
  - Higher student involvement
  - Higher student retention
  - More topics covered
  - Deeper understanding of topics
  - Higher grades
What do you know?

- Needed:
  - Some general familiarity with computers
  - A basic mathematical background
  - The ability to think logically

- Not needed (but helps):
  - Experience with Linux
  - Experience with any programming language
What **will** you know?

- The syntax necessary for writing structured programs in C++
- Basic working knowledge of Linux
- How to think like a programmer
  - How to devise programming solutions to problems
  - How to test and verify that programs work correctly
  - How to debug programs that do not work properly
  - How to utilize resources to resolve issues
  - How to utilize resources to teach yourself new things
Slide text formatting

- No special formatting: normal text
- Fixed width: program element, Linux command, or filename
- *Italics + fixed width*: user-specified program element, Linux command, or filename
- **Bold**: important term
- **Dark gray background + fixed width**: program portion
Success in learning

- Predicated on many factors:
  - Motivation
  - Work ethic
  - Curiosity
  - Analytical ability
  - Prior experience
Feedback please!

- Most materials created in early 2018
- Send feedback to derek.williams@unlv.edu
- May update materials based on feedback & my observations