All About CS159

Nathan Sprague

August 31, 2015

ME

- Nathan Sprague
- You can call me:
  - Dr. Sprague
  - Professor Sprague
  - Nathan (doesn't bother me, but not standard practice in this department)
- Avoid:
  - Mr. Sprague↗

CS159

- CS139 was about programming basics:
    - loops, variables, conditional statements etc.

CS159

- CS139 was about programming basics:
  - loops, variables, conditional statements etc.
- The goal in computer science is to solve complex problems by breaking them into simple parts
  - Object-oriented programming provides a set of tools
  - Object-oriented programming…

CS159

- CS139 was about programming basics:
  - loops, variables, conditional statements etc.
- The goal in computer science is to solve complex problems by breaking them into simple parts
  - Object-oriented programming provides a set of tools
  - Object-oriented programming...
- CS159 is (mostly) about object oriented programming and object oriented design

Mechanics

Let's look at the course web-page ↗...

Facts about CS159

- (Probably) challenging

Facts about CS159

- (Probably) challenging
- ALL OF THE CONTENT IS IMPORTANT to:
    - becoming a compentent programmer
    - continuing to study CS

Facts about CS159

- (Probably) challenging
- ALL OF THE CONTENT IS IMPORTANT to:
  - becoming a compentent programmer
  - continuing to study CS
- Not intended to be a "weed out" class
  - I would be pleased if everyone in this room earned an A

Facts about CS159

- (Probably) challenging
- ALL OF THE CONTENT IS IMPORTANT to:
  - becoming a compentent programmer
  - continuing to study CS
- Not intended to be a "weed out" class
  - I would be pleased if everyone in this room earned an A

Strategies For Succeeding on Tests

- Recipe for failure:
    - Attend class, passively listen to lectures
    - "Do" the reading by running your eyes over the assigned pages

Strategies For Succeeding on Tests

- Recipe for failure:
    - Attend class, passively listen to lectures
    - "Do" the reading by running your eyes over the assigned pages
- Recipe for success!
    - Figure out what you need to know (I'll help)
    - Take responsibility for learning it (I'll help)

Reading Quizzes

- Strategy #1 (Mostly Useless):
  - Open the quiz, skim for answers in the book

Reading Quizzes

- Strategy #1 (Mostly Useless):
    - Open the quiz, skim for answers in the book

- Strategy #2 (Probably Helpful):
    - Complete the reading, possibly taking notes
    - Use the quiz to test your understanding

Programming Assigments

- Project specifications will *not* give you all the information you need to complete the project successfully
  - Specifications will describe desired functionality, but may not tell you how to code it
  - There will be ambiguity
  - There will be errors

Programming Assigments

- Project specifications will *not* give you all the information you need to complete the project successfully
  - Specifications will describe desired functionality, but may not tell you how to code it
  - There will be ambiguity
  - There will be errors
- It is YOUR responsibilty to produce functional code
- Assignment grades will be based code quality and functionality, not effort

Programming Assigments

- Project specifications will *not* give you all the information you need to complete the project successfully
  - Specifications will describe desired functionality, but may not tell you how to code it
  - There will be ambiguity
  - There will be errors
- It is YOUR responsibilty to produce functional code
- Assignment grades will be based code quality and functionality, not effort

- In my experience, grit↗ counts for more than raw talent or previous experience
  - Growth mindset

Programming Assigments

- Project specifications will *not* give you all the information you need to complete the project successfully
    - Specifications will describe desired functionality, but may not tell you how to code it
    - There will be ambiguity
    - There will be errors
- It is YOUR responsibilty to produce functional code
- Assignment grades will be based code quality and functionality, not effort

- In my experience, grit ↗ counts for more than raw talent or previous experience
    - Growth mindset

- Starting early gives you time for setbacks

Academic Integrity

Getting Help

- There are many sources of help. You would be insane not to use them:
    - My office hours
    - TA's
    - Piazza
- These resources will be more valuable if you spend some time thinking/reading/researching before you seek them out
    - but not *too* much time
- You should *not* expect me to be available 24/7

Great Ways to Make Me Angry!

- Using electronic devices during class
- Packing to leave before the end of class

Questions?