Introduction

EECS 211

Winter 2019
Road map

- What’s it all about?
- Topics
- Policies
- Academic honesty
- How to get help
From the course abstract:
What EECS 211 is all about (1/2)

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- EECS 211 teaches foundational software design skills at a small-to-medium scale.
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- We begin by learning...
What EECS 211 is all about (2/2)

From the course abstract:

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- *We begin by learning the basics of imperative programming and manual memory management using the C programming language.* This will help you form connections between the high-level programming concepts you learned in EECS 111 and the low-level machine concepts you will learn in EECS 213.

- *Then we transition to C++, which provides abstraction mechanisms such as classes and templates that we use to express our design ideas.*
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- Topics include…
Topics

- Language basics
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- Testing
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- Testing: how we know software works
- Structuring data: structs and vectors
- The stack and the heap: how data is laid out and managed in memory
- Data abstraction: using classes to define our own types
Policies

- There will be a homework assignment due every Thursday

  - Some will be done on your own
  - Most will be pair-programmed with an assigned partner
  - Late work will not be accepted
  - Best six of first seven worth 50% of your grade
  - Last two (final project) worth 20% of your grade

  - Two exams
    - Tuesday, February 5
    - Tuesday, March 12
    - Each worth 15% of your grade

  - Mapping of point totals to letter grades is at instructor's discretion
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In EECS 211, we take cheating very seriously.

- Receive help of any kind on an exam (except from authorized course staff)
- Give help of any kind on an exam
- Share (give or receive) homework code with anyone who is not your official partner
- Obtain code from an outside resource, such as Stack Overflow

Please don't do these things:
- If you don't write code, you won't learn; struggle is good
- All cheating will be reported to the relevant dean for investigation

If unsure about your particular situation, ask the instructor or other course staff.
Academic honesty

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- **Online.** Ask questions on Piazza:
  
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Pop quiz!

Suppose each function is called with an arbitrary \texttt{int} value. Circle \textit{all} possible outcomes:

- C The function cannot be run, because the compiler rejects it
- T The function returns \texttt{true}
- F The function returns \texttt{false}
- A The function causes the program to terminate abnormally
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