

# Introduction

CS 211

Winter 2020

# Road map

- What's it all about?
- Topics
- Policies & grades
- Academic honesty
- Help & advice

# What CS 211 is all about (1/2)

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- We begin by learning...

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- Topics include...

# Topics

- Language mechanisms
  
  
  
  
  
  
  
  
  
  
- Design techniques
  
  
  
  
  
  
  
  
  
  
- Engineering practices

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  - ▶ New syntax for functional programming
  
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  - ▶ The Unix shell

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  - ▶ The Unix shell: a compositional user interface

# Grade composition

<b>what</b>	<b>%</b>	<b>when</b>	<b>#</b>
programming homeworks	50*	Thursdays	6

\* Divided equally.



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<b>what</b>	<b>%</b>	<b>when</b>	<b>#</b>	<b>drop</b>
programming homeworks	50*	Thursdays	6	1
final project proposal	5	Fr 2/21 – Th 2/27	1	0
two-week final project	15	Th 3/12	1	0
in-class midterm exams	30*	Tu 2/4 & Tu 3/10	2	0
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- No cheating...

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- **Online.** Ask questions on Campuswire:

<https://campuswire.com/c/G123C6150>



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- If you find the course difficult, that's because it's difficult.
- Be kind to each other.

I TRY NOT TO MAKE FUN OF PEOPLE FOR ADMITTING THEY DON'T KNOW THINGS.

BECAUSE FOR EACH THING "EVERYONE KNOWS" BY THE TIME THEY'RE ADULTS, EVERY DAY THERE ARE, ON AVERAGE, 10,000 PEOPLE IN THE US HEARING ABOUT IT FOR THE FIRST TIME.

FRACTION WHO HAVE HEARD OF IT AT BIRTH = 0%

FRACTION WHO HAVE HEARD OF IT BY 30  $\approx 100\%$

US BIRTH RATE  $\approx 4,000,000/\text{year}$

NUMBER HEARING ABOUT IT FOR THE FIRST TIME  $\approx 10,000/\text{day}$

IF I MAKE FUN OF PEOPLE, I TRAIN THEM NOT TO TELL ME WHEN THEY HAVE THOSE MOMENTS. AND I MISS OUT ON THE FUN.

"DIET COKE AND MENTOS THING"? WHAT'S THAT?

OH MAN! COME ON, WE'RE GOING TO THE GROCERY STORE.

WHY?

YOU'RE ONE OF TODAY'S LUCKY 10,000.



## Relative homework difficulties

HW	Difficulty
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FP	8ish

(On a scale from 1 to 10)

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Circle *all possible* outcomes:

T The function returns tru~~e~~

F The function returns fal~~se~~

A The program terminates abnormally (a crash!)

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