May 18, 2020
Roadmap

What’s it all about?

Course Topics

Policies & grades

Academic honesty

Help & advice
What’s it all about?
What CS 211 is all about (1/2)

From the course abstract:
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- *CS 211 teaches foundational software design skills at a small-to-medium scale.*
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- **CS 211 teaches foundational software design skills at a small-to-medium scale.** We will grow from writing single functions to writing interacting systems of several components.
What CS 211 is all about (1/2)

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From the course abstract:

- *In the first half, you’ll learn the basics of imperative programming and manual memory management using the C programming language.*
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- Topics include...
Course Topics
Topics

• Language mechanisms

• Design techniques

• Engineering practices
Topics

- **Language mechanisms**
  - New syntax for functional programming

- **Design techniques**

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Topics

- Language mechanisms
  - New syntax for functional programming: expressions, values, conditionals, variables, functions

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    ▶ Statements: sequencing, iteration
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  - The Unix shell: a compositional user interface
Policies & grades
## Grade composition

<table>
<thead>
<tr>
<th>what</th>
<th>%</th>
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</thead>
<tbody>
<tr>
<td>programming homeworks</td>
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*Divided equally.*
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• Some will be done on your own
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• You’ll need to do a self evaluation for each
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- No cheating...
Academic honesty
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In CS 211, we take cheating very seriously.
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- Cheating is when you:
  - Share (give or receive) homework code with anyone who is neither course staff nor your official, registered partner
  - Obtain code from an outsider resource, such as Stack Overflow

Please don’t do these things, because:
- If you don’t write code, you won’t learn; try to embrace the struggle!
- All cheating will be reported to the relevant dean for investigation

If unsure about your particular situation, ask the instructor or other course staff
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Help & advice
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  **Instructor:** Jesse Tov (TuTh 4–6 PM CDT)
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  Grad TA: Mohammad Kavousi

The office hour schedule is a Google Calendar embedded on the course webpage:

https://users.cs.northwestern.edu/~jesse/course/cs211/

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

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  **Peer TAs:** Ann Pigott, Ben Fisk, Brando Socarras, Cem Unuvar, David Jin, Elise Lee, Jacob Tucker, Jules Gilligan, Mae Mastin, Margot Sobota, Naythen Farr, Nicole Nixon, Richard Jo, Thomas Suffoletta

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Advice

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- 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 ≈ 100%
US birth rate ≈ 4,000,000/year
Number hearing about it for the first time ≈ 10,000/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

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