



all-2015 **CS 109: Pursuing Your (CS-Related) Interests**

From the Think Lab Team:

Dr. Devangi Parikh, Dr. Alison N. Norman, Ms. Michaela Cicero, Ms. Claudia Trevino



CS109: Where are we?

Mid-semester

Lots of work still to happen this semester

First round of midterms done

mostly—sorry 314H! And CSB 311H :(Good luck on Thursday!

Registration is coming

Career prep is coming

Think Faire is coming

October: It is a Struggle

No, really.

You are not imagining it.

Midterms, deadlines, plus every possible outdoor event.



Registration is Coming!

Advisors will come to class

Be present, bar will be lifted

What to consider when registering?



What do you want from CS?

Intentional exploration

Listen to the videos:

What work interests you?

What preparation do you need?

What classes do they mention?



For example...

Chris Rossbach
(Systems)

- Computer Architecture
- Operating Systems
- Virtualization
- Compilers
- Programming Languages

Kevin Tian
(Theory + ML)

- Multivariable Calculus
- Statistics
- Linear Algebra
- Algorithms
- Machine Learning
- Trustworthy Machine Learning
- Operations Research (ME)



For example...

Kanishka Misra

(Computational Linguistics)

- Linear Algebra
- Neural Nets
- Artificial Intelligence
- Natural Language Processing
- Machine Learning
- + Linguistics

Kristen Grauman

(Computer Vision)

- Computer Vision
- Natural Language Processing
- Speech and Audio Processing
- Robotics
- Machine Learning
- Databases & Systems



Consider Concentrations

Guides to Upper Division Courses

Can be put on your resume

Not transcriptable

Preparation

You are choosing courses to prepare you for a career.

More about career options next time!

But...



What do you think?

Should you choose the course that is:

an easy A (Keep that GPA!)

or

on a topic that interests you

?



What do you think?

Should you choose to:

stack as many CS courses as you can to graduate early

or

take a reasonable number and get the knowledge you want

?



Considering the 314→312 Slide

Better off moving and shoring up your fundamentals than staying and failing 314

It doesn't make you behind. At any rate, it's the same amount of time as if you failed 314 O_o

Also, your 314 performance is a predictor of your 429 performance



Considering Ethics

Ethics was a required part of the curriculum until Spring 2025

Ethics will be required again in Fall 2026.

Your faculty think it is important.



Why?

With great power comes great responsibility



Why?

Learn about:

Overconfidence Bias

Loss Aversion

Fundamental Attribution Error

Conformity Bias

Moral Muteness

Legal Rights & Ethical Responsibilities



Why?

Prepare to handle difficult situations



In other news...

Think Faire is coming!



What is Think Faire?

You will explore parts of CS and present.
In groups.



Coming Up

Assignments due:

Think Faire Topic Interest Form on 10/11

Note Saturday due date!

Next week: Attend discussion section!
(And not Big Lecture :))



Coming Up

Considering your exam(s)

Registration Workshop

Career Exploration

Think Faire



Thank you for coming!

It was good to see you :)

Expect us via video next week!