

CSE114A - lecture 1

agenda:

- welcome!
- course logistics
 - Zulip, website, etc.
 - high-level schedule for the quarter
 - course policies
- What is PL?
- Jumping in: lambda calculus

Lindsey Kuper

course website:

ucsc-cse-114a.github.io/
Spring 23

What is PL?

human languages : linguistics ::

programming languages : Field of PL

Haskell, Java,
C, Python,
...

syntax — what do languages/
programs
look like ?

* semantics — what do languages/
programs
mean ?

pragmatics — how are languages/
programs used ?

What do PL people do?

(inspired by Mike Hicks)

- treat the PL as having a central place in solving computing problems
- reason rigorously about what programs mean and what programs do