



# CSE341: Programming Languages

## Lecture 19

### Introduction To Ruby; Dynamic OOP; "Duck Typing"

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# *The plan*

- Will still use Racket for some more topics, but first get up-to-speed on Ruby
  - Do now to better align with homework and section schedule
- Lecture materials may not recount every little language feature we use
  - [Thomas book](#) (2<sup>nd</sup> edition, Chapters 1-9) quite readable
    - Can skip/skim regexps and ranges
    - Also see online library documentation [large, searchable]
- Focus in class will be on OOP, dynamic typing, blocks, mixins

# Logistics

- We will use [Ruby 1.8.7](#)
  - Ruby 1.9 is not compatible, but not hugely different
  - "The real world" is still using both a lot
  - Homework 6's graphics (mandatory) won't work with 1.9
- Installation instructions, etc. on course web-page
  - Can run programs with a REPL called `irb`
- [Homework 6](#) is about understanding and extending an existing program in an unfamiliar language
  - Good practice; different than previous homeworks
  - *Read* code: determine what you do and don't (!) need to know