# CSCI 334: Principles of Programming Languages Next class: meet at WCMA Instructor: Dan Barowy Williams Goals How do you know when you are done writing a program?

# Goals

1. Speak the "language of languages"

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  - a. evaluate fitness of language for purpose

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  - b. become a (much) better programmer

### Goals

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  - a. evaluate fitness of language for purpose
  - b. rapidly learn new language
- 2. Add tools to your mental toolbox
  - a. including techniques for clear thinking
  - b. become a (much) better programmer
- Be the kind of class you look forward to attending

Mental technique #1: calendar

# Feedback

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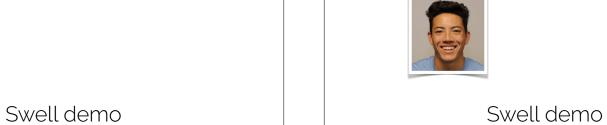
1. Optional feedback on assignments

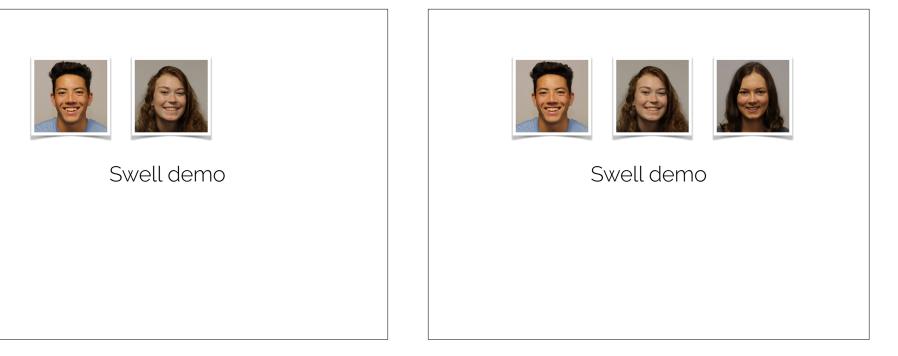
# Feedback

- 1. Optional feedback on assignments
- Optional, anonymous feedback form on course website

#### Feedback

- 1. Optional feedback on assignments
- 2. Optional, anonymous feedback form on course website
- 3. Periodic, in-class anonymous feedback





# Assignments Syllabus Assignments Assignments

Weekly reading responses, due Monday by

Weekly problem sets, due Thursday by 10pm

10pm (~1 hour)

(anywhere from 2-10 hours)

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10pm (~1 hour)

Books on reserve in Schow	Grades
Grades I despise grades.	Grades I despise grades. They discourage risk-taking.

Anonymous grading (suggested by UNiCS)	Homework late policy
Homework late policy  Homework resubmit policy	Honor Code

Github	Homework explanation session?
Course Organization	Course Organization First half

# **Course Organization**

#### First half

theoretical foundations

# Course Organization

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- theoretical foundations
- •common elements of languages

# **Course Organization**

### First half

- theoretical foundations
- common elements of languages
- •functional vs. imperative languages

# **Course Organization**

# First half

- theoretical foundations
- common elements of languages
- •functional vs. imperative languages
- new ways of thinking

# Course Organization Second half

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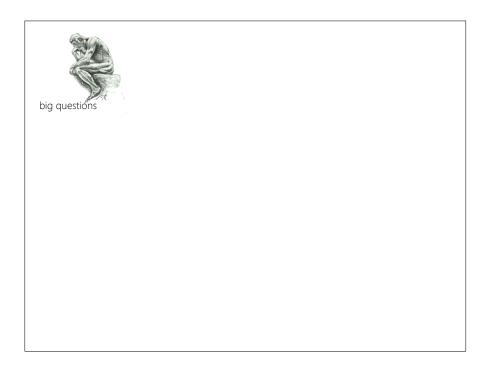
Second half

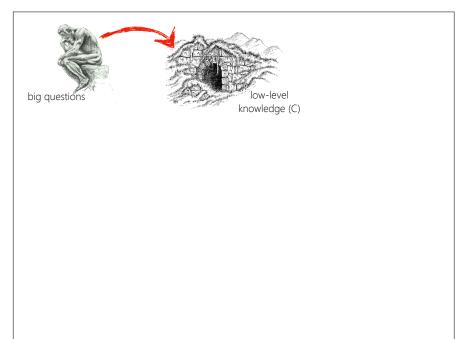
•implementation techniques

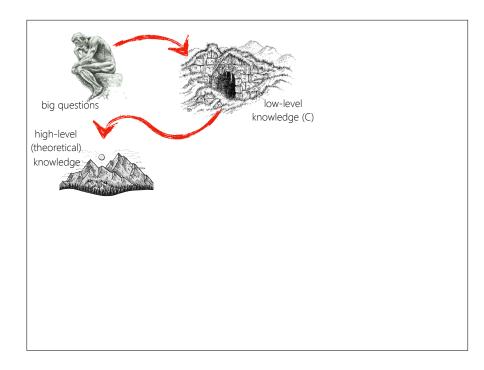
# **Course Organization**

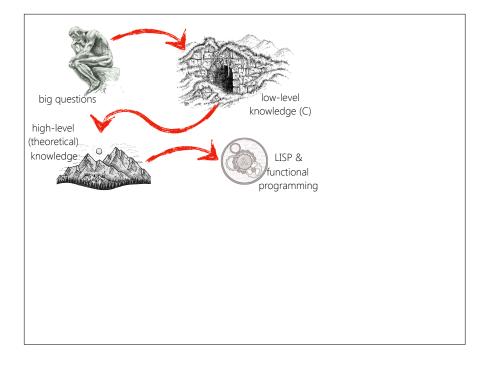
Second half

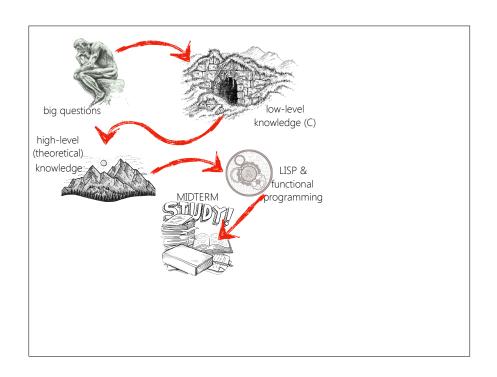
- ${\color{red} \bullet} implementation\ techniques$
- object oriented programming

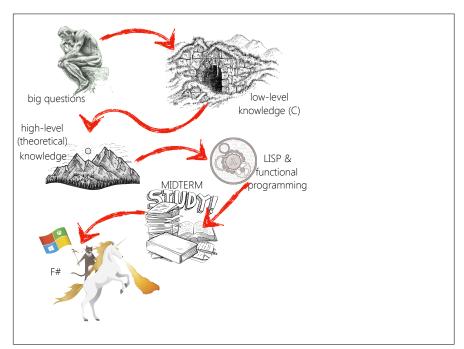


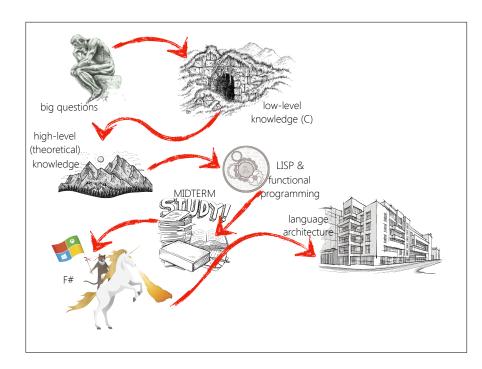


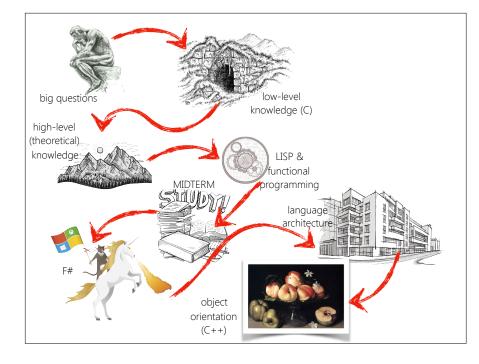


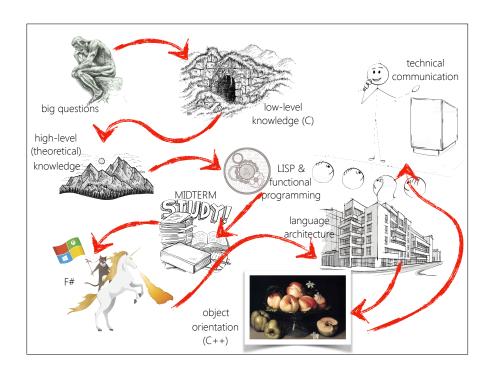


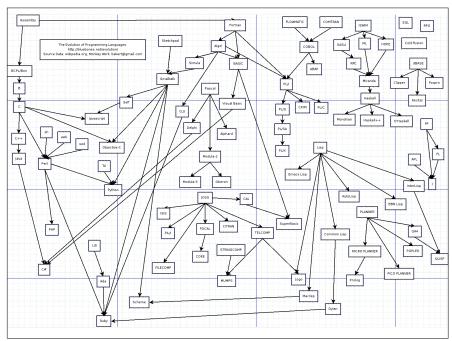












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What do you know (or think you know) about it?