CS 205 Introduction

Why are you here?

    O-O Design

    Semester Project

Labs lead into project phases

Macro Foci:

    Design -> Development -> Implementation

    Simplicity

    Communication, including documentation

O-O Design

    Objects

        Focus on nouns in a problem description

            Concrete: vehicle, car, truck

            Abstract: source program, comments on FaceBook

        Define a class that captures object's data and actions

            Fields: data, properties

            Methods: actions, behaviors

Language Comparison

Java	vs	Python	vs	Haskell
Imperative		Imperative		Functional
Object-Oriented		Procedural		
Compiled		Interpreted		
Static typing		Dynamic typing		

Object-oriented is another way of thinking -- Python in CS 116, Haskell in
CS 119, now Java.

Java is not the only O-O language: C++, Smalltalk, Swift, etc.

Syllabus

    Schedule

    Labs -- pair programming; responsibilities.

Project -- partner; responsibilities.

Plagiarism