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 -- Individual.

Project -- partner; responsibilities.

Late Policy.

Plagiarism