

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 -- extensions

Labs -- individual

Project -- partner; responsibilities.

Plagiarism