CS 121: Computer Science I

Spring 2015

Department of Computer Science
College of Engineering
Boise State University

Today's Objectives

- Who am I?
- Course Syllabus
- Intro to Team-Based Learning (TBL)
- Chapter 1: Introduction to Computer Science

About Me

- **Instructor**: Amit Jain http://cs.boisestate.edu/~amit
- **Email**: ajain@boisestate.edu
- **Office**: MEC 302E
- **Office hours**: Check class website

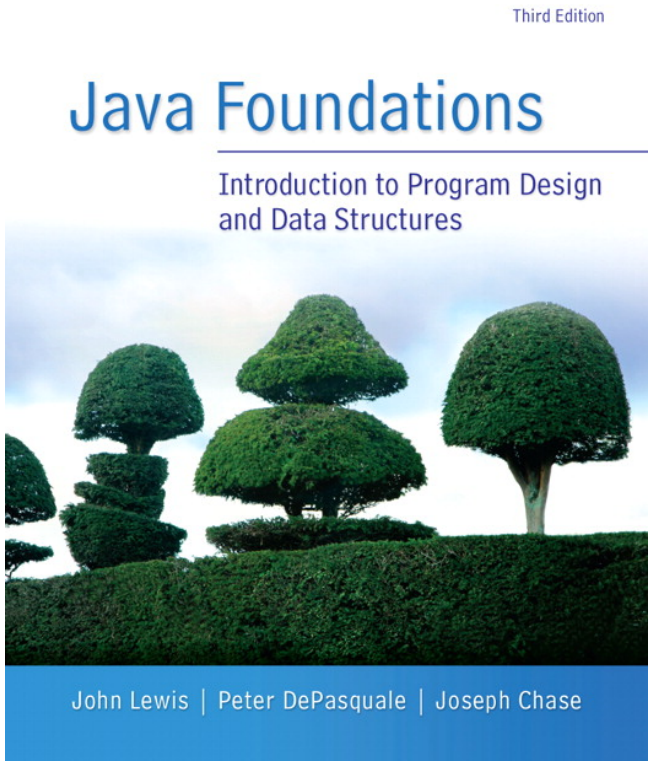
Learning Objectives

At the end of this course, we want you to be able to:

- design object-oriented solutions to programming problems,
- implement working solutions to programming problems using good coding and documentation styles,
- explain basic concepts of computer science such as algorithms, abstraction, and encapsulation,
- use an integrated development environment that is specialized for program development with reasonable proficiency, and

CS 121 and CS 221 Textbook

Java Foundations: Introduction to Program Design and Data Structures, 3rd Edition, by John Lewis, Peter DePasquale, and Joseph Chase.



Class Resources

- Syllabus, notes, assignments and other course information are available on the **class website**.
  http://cs.boisestate.edu/~amit/teaching/121/cs121.html

- Class discussion, announcements, and polls will be available via **Piazza** (phone app available).
  https://piazza.com/boisestate/fall2015/cs121/home

- Lab information available on the **CS 121 wiki**.
  https://onyx.boisestate.edu/cs121

- **Make sure you check these resources often. All class updates will be posted on these sites.**

CS Tutoring Center

- Located on the first floor of the engineering building in room **ENGR 111**.
- Staffed by CS tutors.
- Great source of help when you're on campus.
- Access to the center is via card swipe. You may need to request access.

Tutors

- Undergraduate and Graduate Tutors.
- Check tutoring center website for 121 tutors and their hours.
  http://coen.boisestate.edu/cs/computer-science-tutoring-center-cstc/
- They are there to help, please be respectful.

Piazza - Collaborative Learning

- Not competitors, but collaborators
- Piazza invite sent out
- Use Piazza to help each other
- Ask questions anonymously
- Answer questions and doubts that everyone seems to be having

Assignments

- Homework:
  - Reading assignments and pre-quiz exercises
  - Pre-lab work due prior to labs to learn skills needed in the lab
- In-class quizzes and exercises:
  - Individual and team-based
  - Assess understanding of assigned reading
- Lab:
  - Self-contained, focused exercises
  - Learn skills needed for projects
- Programming Projects
  - Significant programming projects completed outside of class/lab
  - Learn skills needed for real-world/future courses

Grading

- Programming Projects (60%)
- In-class quizzes (20%)
  - Individual quiz (65%)
  - Team quiz (35%)
- Final exam (20%)
- Extra Credit Opportunities
- The lab credit is graded separately from the lecture. The lab will be graded based on attendance, preparation, and participation.

Academic Honesty

- http://registrar.boisestate.edu/general-information-and-policies/academic-integrity/
- It sounds simple.
- It's not!

Unacceptable Collaboration

- Outsource an assignment to someone you hire.
- Submit an assignment substantially created by another student, friend, co-worker, relative, stranger, internet user...
- Provide a copy of a substantial portion of an assignment to another student.
- Posting a copy of a substantial portion of an assignment to an Internet server.

Acceptable Collaboration

- All classroom and Tutoring Center (with Tutors) discussions.
- Piazza discussion extending classroom discussion.
- Helping someone install/use the development tools/environment.
- Helping someone debug a program they wrote.
- Sharing and *explaining* short snippets (a few lines) of code to someone.