CS350: Programming III: Java
Course Syllabus - Fall 2015
Two Credit Hours
9:00-9:50am MWF, SERC 1059
http://cs350.cs.ua.edu

Course Objectives:
After successfully completing this course, students will be able to
• Build large projects using production computer programming languages.
• Manage large programming projects.
• Use software tools to build and manage programming projects.

Course Description:
Programming using Java. Language concepts: Object-style programming and design. Software engineering concepts: managing multi-module projects and automated program testing.

Prerequisites: CS 250 or ECE 285.

Text:
• Deitel & Detel, Java How to Program: Early Objects Version, 10/E, Prentice Hall.

Instructors:
• Jingyuan (Alex) Zhang, Ph.D.
• Office: 3413 SEC
• Phone: 348-9516

Attendance Policy:
• Lecture attendance is required. Help sessions are optional. The final grade is partially based on class participation.

Grading Policy:
• Mid-term (24%), and final (40%).
• About 6 assignments and projects (36%).
• Quizzes and class participation (5%).
• A student is allowed to make up assignments, projects, or exams missed only if he/she has an excusable reason.

Topics to be covered:
• Basic Data Types and Operations
• Control Structures
• Methods/Functions
• Object-oriented Programming
• Graphics
• Event-driven Programming
• GUI Components
• Multithreading
• Files and Streams
• Networking