CS350: Programming III: Java  
Course Syllabus - Fall 2014
Two Credit Hours  
9:30-10:20am TR, Lloyd Hall 233  
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  
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  - Office Hours: 1:00-2:00pm TR

Attendance Policy:  
- Students are required to attend all class meetings. 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