Syllabus: SWE 510 Object-Oriented Programming in Java
Spring, 2017

Instructor Information

Instructor: Dr. Yonghee Shin   **Email**: yshin9@gmu.edu

Office Hours: by appointment or by email

Course Information

Description

This course introduces students to programming in the Java language. Topics include problem-solving methods and algorithm development, program structures, abstract data types, simple data and file structures, and program development in a modular, object-oriented manner. Introductory use of OO language features, including data hiding, inheritance, polymorphism, and exception handling.

Objectives and Learning Outcomes

After completing this course students should be able

- to design and implement Java applications to solve practical problems.
- to understand and use Object Oriented concepts for reliable and maintainable software

Prerequisites

Undergraduate courses or equivalent knowledge in programming in a high-level language.

Text

Java: How to Program (Early Objects), 10th Edition, by Paul Deitel and Harvey Deitel, Pearson (Required)

Meeting Times and Location

Thursday 7:20 P.M. - 10:00 PM, Innovation Hall 134

* Please see [Class Schedule Listing for SWE 510](#) for additional course information.

Grading Policies

Programming languages can be learned by practice. To reinforce your learning, there will be frequent assignments and quizzes.

Course Attendance: 10%

Course participation score = (min(The number of attended classes, (The number of classes-2)) / (The number of classes-2)) * 10

Assignments: 30%

There will be 10% reduction for late submission per day.

Quiz: 25%

Two lowest scores will be dropped from the calculation.

Final exam: 35%

There will be no makeup for final exam.

Academic Integrity

All CS students must adhere to the [GMU Honor Code](). Additionally, it is mandatory to follow the [CS Department Honor Code]().

General Policies

Attendance

The class follows the [University Attendance Policies](). If there are any conflicts in class schedule due to religious observances or official university activities, please notify me as early as possible for possible schedule adjustment or alternative opportunities.

Disability Accommodations

If you are a student with a disability and you need academic accommodations, please contact [Disability Services]() at 703-993-2474. All academic accommodations must be arranged through Disability Services. Please also let me know your accommodation needs before the first lecture.

Privacy

In response to Federal Privacy Regulations, all academic email communications between instructor and students must be conducted via Mason email accounts. I will not respond to messages sent from a non-Mason email address.

Electronic devices

To help students focus on the lecture, the uses of mobile electronic devices such as laptops and mobile phones are not allowed in class. Habitual violators may be asked to leave the class. Please read a useful article on [Why You Shouldn't Use Laptops in Classrooms]() by Dr. Jeff Offutt.

Social Media

If there are social media connection requests from students, I prefer to accept the requests only after the course is over.