

CSIT 210 – Java Programming  
Final exam – Study Guide

The following are suggested study topics for the multiple-choice section of the test.

- OOP Core Principles
- Methods of the Scanner, Math, String, and Random classes
- Operator Precedence
- Relational Operators
- Type Casting
- Loops – for, do, while
- Truth tables (AND / OR / NOT)
- Conditionals
- Arrays
- UML – What is it? What are the benefits? Where do you use UML?
- Terminology – algorithm / sequence / selections / iterations / patterns / pseudocode, Exception, Arrays, ...
- Method and class structures
- Variable scope
- Specific Methods of a class (getters, setters, constructors, toString)

For the programming section of the test, you will write a program that has a Class (like Sphere, Box, Card, ...) then in the driver class (main method) you will create an array of the objects of that class and use some its methods. You could be asked to use a loop, user input, data validation, Scanner class and arrays.

There will not be anything about the exceptions and GUI in the programming section. However, you can see some multiple-choice questions about these two chapters.