

CSCI 135 – Fundamentals of Computer Science I

Exam I Study Outline

I. Java Basics

- A. How Java is compiled and run
- B. Java program parts
- C. Sequential Execution
- D. Eclipse

II. Data Types

- A. Variables
 - 1. Declaration
 - 2. Assignment
 - 3. Scope of a variable
- B. Basic data types
- C. Type Conversion
- D. Operations on different data types

III. Conditionals

- A. If
- B. switch
- C. Format/syntax
- D. How to use them

IV. Loops / Iteration

- A. while
- B. do... while
- C. for
- E. for each
- F. Format/syntax
- G. How to use them

VII. Arrays

- A. Declaration
- B. Creation
- C. Initializing array elements
- D. Accessing array elements
- E. Multidimensional arrays

V. Programming Style

- A. Comments
- B. Naming conventions – variables, classes, constants
- C. Whitespace
- D. Curly braces