Course Title: Java Programming I

Course Description:
Learn the basics of Java language syntax and object-oriented programming. Gain practical experience by designing, writing, compiling, and executing simple Java programs.

Course Prerequisite(s):
Microsoft Windows, knowledge of a text editor and Beginning Programming I, or equivalent experience.

Course Objectives:
Upon completion, you will:
- Be able to develop simple Java applications,
- Understand elementary object-oriented programming
- Gain a firm foundation of Java concepts.
- Be able to use the Eclipse IDE to develop Java applications.

Textbook(s): Required
Murach’s Beginning Java with Eclipse
by Joel Murach and Michael Urban
Murach Publishers, 978-1890774899

Next Class Possibilities
Java Programming II

Instructor Notes:
Do not purchase text before first class meeting

Lesson Plan – by week or session
Session 1: Introduction to Java syntax, getting started with Java, introduction to Objects
Session 2: Java syntax continued
Session 3: Designing and writing simple java programs
Session 4: Java classes and objects. Object-oriented programming
Session 5: Object-oriented design and development with Java (part I)
Session 6: Object-oriented design and development with Java (part II)
Session 7: Introduction to using Eclipse - integrated development environment
Session 8: Common (useful) Java classes

Course Sessions: listed are a guideline to indicate all topics that will be covered during your course. Do not plan your personal calendar based on these sessions. Your instructor
will give you a calendar for your class that will indicate specific topics, assignments, and days.

**Method of Evaluation:** Unless otherwise stated, course completion is evaluated on the basis of attendance. Students must be in attendance 90% of the class time in order to be considered a successful completer of the course.

Students must be in attendance 90% of each course in a certificate series for successful completion and to earn a certificate as specified.

Students must complete all courses (core and no. of elective courses needed) to **complete a certificate series within two years** from start date of the first course taken.

**Americans with Disabilities Act:** Collin College will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal opportunity. It is the student’s responsibility to contact the ACCESS office, SCC-G200 or 972.881.5898 (V/TTD: 972.881.5950) to arrange for appropriate accommodations. See the current Collin Student Handbook for additional information.

http://www.collin.edu/studentresources/personal/studenthandbook.aspx