Collin College - Continuing Education

# Course Syllabus

**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): OPTIONAL**
Murach's Java Programming 4th ed.
Joel Murach; Murach Publishers
ISBN: 978-1-890774-65-3

**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