

Collin College - Continuing Education

COURSE SYLLABUS

COURSE INFORMATION

Course Number: JAVA 6500

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.

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

Course Resources: Do not purchase text before first class meeting. Murach's Beginning Java with Eclipse by Joel Murach and Michael Urban Murach Publishers, 978-1890774899

Student Learning Outcomes: 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.

Certification Notes: N/A

Next course recommendation: Java Programming II

Refund Policy: Please refer to www.collin.edu/ce/infoRegistrar.html for our refund policy. No refunds after the start time of the first class.

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-D140 or 972.881.5898 (V/TTD: 972.881.5950) to arrange for appropriate accommodations. See the current *Collin Student Handbook* for additional information.

Course Sessions: Listed are guidelines 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.

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 de

Session 8: Common (useful) Java classes

Method of Evaluation: Unless otherwise stated, course completion is evaluated on the basis of attendance. Students must be in attendance 90% of each course in a certificate series for successful completion and to earn a certificate as specified.