

Nashville State Community College
STEM
Computer Information Technology

2018 Master Course Syllabus

CITC 1314 – Java Programming

Course Information:

Course Title: Java Programming

Credits: 3

Class Hours: 2 Class/2 Lab

Course Description:

Covers the fundamental concepts of object-oriented programming using Java, including objects, classes, constructors, methods, and instance variables. Topics include user-designed classes, arrays and array processing, graphical user interfaces, event and error handling and applets. **Prerequisite(s):** CITC 1301 with minimum grade of “C”

Instructor Information:

Name:

Email:

Office Phone:

Office Location:

Office Hours:

Required Textbook(s) & Other Materials:

Textbook(s): *Starting Out With Java: Early Objects*, Tony Gaddis, Pearson Higher Ed. 5th Ed

ISBN: 9780133776744

Software Options: Java Development Kit

<http://java.sun.com/javase/downloads/index.jsp> to download the JDK & JRE

JAVA API : <http://java.sun.com/j2se/1.5.0/docs/api/index.html>

Documentation: <http://java.sun.com/javase/downloads/index.jsp> to download documentation

Editors:

JGrasp <http://www.jgrasp.org/> free IDE

BlueJ <http://www.bluej.org> free IDE

JCreator <http://www.jcreator.com/download.htm> free JCreator LE v3.5

TextPad <http://www.textpad.com/download/index.html> free evaluation copy

Reference Materials: As assigned

Supplies: None

Once enrolled, all students should verify that they have the correct textbook and materials information by consulting the D2L/NS Online shell for the course. If you are registered with the Access Center and require an alternate format for the textbook and other course materials, please contact the Access Center at 615-353-3721, 615-353-3741, or accesscenter@nsc.edu.

Course Outcomes:

Upon successful completion of this course, students should be able to:

- Perform procedures necessary to display knowledge of object-oriented concepts, principles, and processes
- Execute processes necessary to display knowledge of the JAVA language statements required for developing and implementing typical business applications
- Follow generally accepted coding standards and syntax used in the implementation of JAVA programs
- Explain similarities and differences of JAVA as related to other programming languages
- Exhibit ability to design, develop, and assess performance in creating JAVA programs individually and within teams

Course Competencies:

The following are detailed course competencies intended to support the course outcomes:

- Identify the basic structures of a program (sequence, decision and repetition) and be able to incorporate them into a programming project.
- Describe the major components of an IDE and their functions.
- Explain the properties of a variable such as name, value, scope, persistence and size.
- Explain the difference between a scalar variable and a reference variable.
- Explain the difference between an argument and a parameter.
- Incorporate mathematical, relational and Boolean operators within programming projects.
- Ability to use function, method and procedure calls within a programming project.

The following are general education competencies intended to support the course outcomes:

- Read and analyze problem descriptions.
- Ability to formulate questions to clarify material.

Topics to Be Covered:

Designed to introduce the student to the basic syntax of the JAVA language through writing applications, and connecting to databases. Object-oriented programming properties such as encapsulation, inheritance, and polymorphism are explained and used. Specific topic coverage includes

- Compiling and running a Java Program
- Using Data Within a Program
- Using Methods, Classes, and Objects

- Advanced Object Concepts
- Input, Selection, and Repetition
- Arrays and Strings
- Exception Handling
- File Input and Output
- Swing Concepts; Using Layout Managers and the Event Model

Course Assessments:

- Programming Projects 215 Points/44% of grade
- In-Class Labs 136 Points/28% of grade
- Tests (4) 139 Points/28% of grade

Grading Policy:

- All programming exercises will have an assigned deadline
- To receive full credit, (on any program) all programming exercises must:
 - Have the format (headings and comments) of the Skeleton program provided
 - Be correct and meet the required specifications when turned in for credit.
 - Follow the rules of structured programming (including indentation)
 - Follow the generally accepted coding standards and syntax of the JAVA language
 - Use descriptive names for defined variables, functions, etc.
 - Include appropriate documentation (comments)

Late Work Policy & Make-up Procedures for Missed Assignments and Work:

- Projects will be accepted late but will automatically start a letter grade lower.
- Missed assignments are considered on an individual basis.

Attendance Policy

Students are expected to attend all scheduled classes and laboratories. Absences in a course may affect a student's final grade. The student is responsible for all assigned work in the course regardless of excused or unexcused absences. Tardiness may also affect a student's final grade.

In online courses, attendance is signaled by logging on to the D2L/NS Online shell, participating as prompted (e.g., responding to an instructor's email, posting to a discussion board) and/or completing and submitting assignments. Campus closures do not affect attendance and assignment completion in online courses.

Grading Scale: Final Grade = Total Points/Points Earned

Letter Grade	Percentage Range
A	90-100%
B	89-80%
C	79-70%

D	69-60%
F	< 60

FA

According to NSCC policy, if a student fails a course, but has not officially withdrawn from the course, and her/his last date of attendance is before the last date to withdraw (*use date appropriate to your section*), the student will receive a grade of FA (i.e., “Failure for Attendance Reasons”).

(While the above statement should appear in all syllabi, faculty are encouraged to make additional statements or provide examples that would clarify the policy for students.)

FN

An FN is awarded to students who never attended class.

Technology Statement

Nashville State's classes are considered to be web-enhanced. Faculty have an expectation that students will use a computer and the Internet to complete assignments, engage in online discussions, and access various course materials through D2L/NS Online course shells. Computers are available for student use at each campus during campus open hours.

D2L/NS Online and myNSCC

It is students’ responsibility to check D2L/NS Online course shells for all enrolled courses and myNSCC, including student email, on a regular basis. These are the official communication channels between the college and students, who are responsible for the information communicated through those channels. D2L/NS Online contains specific course information and myNSCC contains information important for other purposes.

ADA Compliance Statement

Nashville State complies with the Americans with Disabilities Act (ADA). If you require accommodations for any courses in which you are enrolled, contact the Access Center at 615.353.3741 or 615.353.3721, or e-mail accesscenter@nsc.edu. If you are registered with the Access Center and require an alternate format for the textbook and other course materials, please contact the Access Center.

Classroom Misconduct

Nashville State Community College has a zero-tolerance policy for disruptive conduct in the classroom. Students whose behavior disrupts the classroom will be subject to disciplinary measures. Please review the [Nashville State Student Code of Conduct policy](#). Please be aware that children are not allowed in class or to be left unattended on campus.

Academic Misconduct

Any form of academic dishonesty, cheating, plagiarizing, or other academic misconduct is prohibited. Students are responsible for understanding and abiding by the [Academic Misconduct Policy](#) in the Nashville State Student Code of Conduct. In addition to other possible disciplinary measures that may be applied through regular college procedures as a result of academic dishonesty, the instructor has the authority to assign an “F” or a “zero” for the exercise, paper, or examination, or to assign an “F” for the course. Students may appeal through the appropriate college grade appeal procedures.

Academic Early Alert System

Nashville State Community College uses an Early Alert System to let students know of a faculty member's concern in one or more of these academic areas: lack of attendance, lack of classroom participation, late or missing assignments, and/or poor performance on assignments/tests. *Please note that Early Alerts do not affect a student's academic standing. If you receive an Early Alert email, please see your instructor and your academic advisor as soon as possible.

RAVE Emergency Alert System

Emergency events can happen at any time and Nashville State Community College wants to be able to notify students if and when they occur. For this reason, all students have been enrolled in the free RAVE alert system. If you have not already done so, please log in at <https://www.getrave.com/login/nsc> to confirm and update your contact information and notification preferences. It is critical that your information be correct so that you will receive any emergency notifications. Your RAVE Username is your NSCC email address. If you've never received an email from RAVE with your password, or if you need to reset your password, select "Forgot your password?" and a new password will be emailed to you. Should the RAVE system indicate "user not found", select Register and create your own RAVE account.

Inclement Weather & Campus Closings

Nashville State will use the RAVE alert system to send a text message to students, staff, and faculty about adjusted hours of operation and/or closings at individual campuses. All students should check the Nashville State web site home page at www.nsc.edu for announcements on campus closures, which may vary from campus to campus. Campus closures will also be announced on local television stations. Students should use their own best judgment in determining whether to report to campus during inclement weather when classes are not cancelled.

Even when campuses are closed, students are still responsible for completing all assigned work. When classes are cancelled, faculty will post online assignments and any additional instructions in the D2L/NS Online course shell. Check D2L/NS Online for a message from your instructor regarding your online assignment requirements. Faculty have discretion over adjusting deadlines or due date for assignments, but students are responsible for completing all assigned work by the due date established by the instructor.

Class Cancellation Policy

If the class is cancelled, the instructor will notify all students by posting in the D2L/NS Online course, e-mailing through D2L/NS Online, and/or by posting a sign on the classroom door. In the event of class cancellation, students must access D2L/NS Online to complete classwork and the assignment that will be posted in the course D2L site.