

 **Stark State College**

 **Master Syllabus**

**Division Name:** Business, Engineering, and Information Technologies

**Department Name:** Computer Science and Information Systems

**Course Information**

**Course Name:** Java Programming **Course Number:** CSE231

**Credit Hours:** 3

**Contact Hours:** 4 **Lecture Hours:** 2

**If more than one lab type needed, use both lab sections**

**Type of Lab:** Laboratory **Lab Hours:** 2 **Type of Lab:** Choose an item. **Lab Hours:** Choose an item.

**Prerequisites:** CSE122

**Co-requisites:**

**This course is approved for transfer based on the following category:
TAG:** [ ]  **OT36**: [ ]  **CTAG:** [x]  **MTAG:** [ ]  **ITAG:** [ ]

For more information, please visit the Ohio Department of Higher Education website <https://www.ohiohighered.org/transfer>.

**Course Description**

The course covers the fundamentals of Java such as creating and executing Java programs that apply sequential, conditional and repetitive logic constructs. Students will also learn best programming practices through application of structured programming principles and object-oriented concepts. Arrays, classes, methods, and application of object-oriented techniques are also central topics. Upon completion, students will have an understanding of the Java language and the skills to develop solutions for intermediate-level programming problems.

**General Learning Outcomes**

Stark State College has identified six general learning outcomes (GLOs) which represent the knowledge, skills, and abilities needed by students who graduate from our institution.

The outcomes designated below are addressed in this course
1. Effective Communication (Written/Oral /Reading/Listening) [x]  2. Quantitative Literacy (Includes Computational Skills) [x]
3. Information Literacy [x]
4. Critical Thinking [x]
5. Global and Diversity Awareness [ ]
6. Civic, Professional, and Ethical Responsibility [ ]

**Course Objectives**

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

* Ability to compile and run created Java programs (GLO 1, 3)
* Declare variables to be of a particular type using proper naming conventions (GLO 1, 2, 3)
* Declare a class that has methods and attributes and use the class to create an object (GLO 1, 2, 3, 4)
* Be able to write arithmetic expressions using the proper order of evaluation (GLO 1, 2)
* Able to create assignment statements (GLO 1, 3)
* Use the if-then-else statement to conditionally execute parts of your program (GLO 1, 3, 4)
* Use each of the following ways to execute statements in a program repeatedly: for loops, do…while, and while loops (GLO 1, 3, 4)
* Use the switch statement in place of an if statement to evaluate multiple possible values (GLO 1, 3)
* Understanding of methods and the call/return mechanism (GLO 1, 3, 4)
* Ability to create and invoke (i.e. “call”) a method (GLO 1, 3, 4)
* Understand what arguments are as identified in a method header (GLO 1, 3, 4)
* Able to pass values to a method as well as return values from a method (GLO 1, 3, 4)
* Understanding of advanced method topics including static methods and overloading (GLO 1, 3, 4)
* Understanding of arrays and how they are used to store and retrieve data (GLO 1, 3, 4)
* Able to declare and initialize arrays (GLO 1, 3)

**Stark State College Policies**

Please refer to the Policies and Procedures manual on mySSC for more information on all college policies and procedures:

* 3357:15-13-10 Grade of Incomplete
* 3357:15-13-15 Class Attendance
* 3357:15-13-16 Academic Withdrawal
* 3357:15-13-26 Academic Honesty and Integrity
* 3357:15-13-27 Final Grade Appeal
* 3357:15-13-48 Freedom of Expression and Responsibilities
* 3357:15-14-13 Anti-Harassment/Title IX
* 3357:15-14-15 Sexual Misconduct
* 3357:15-18-07 Standards of Academic Progress
* 3357:15-19-08 Student Complaint(s)
* 3357:15-19-10 Student Code of Conduct
* 3357:15-13-49 Testing Your Faith - Stark State College supports the religious beliefs and practices of individual students. In compliance with ORC 3345.026, the College permits a student to be absent for up to three days each academic semester to take holidays for reasons of faith, religious or spiritual belief system, or to participate in organized activities conducted under the auspices of a religious denomination, church, or other religious or spiritual organization (See Policy No. 3357:15-13-49). Within fourteen days of the start of the course, students are required to notify their instructor(s) in writing of the specific dates for which they are requesting alternative accommodations. The instructor must provide alternative, non-punitive accommodations for their students to complete work missed due to absence due to religious observances. A non-exhaustive list of major religious holidays or festivals for the next two academic years, as provided by the Chancellor of Higher Education, is posted on the College’s website. The list is non-exhaustive, and the list may not be used to deny accommodations to a student for a holiday or festival of the student’s faith or religious or spiritual belief system that does not appear on the list. Students seeking additional information about the policy should discuss it with their instructor(s) first and then the Dean of Learning and Engagement. Students who do not feel that their religious accommodations were met and wish to file a complaint should contact the Dean of Learning and Engagement at Stark State College, 6200 Frank Avenue NW, North Canton, Office S100 or (330) 494- 6170, X4501.

**Disability Services**

The Disability Support Services (DSS) office offers a variety of services and accommodations to students with disabilities based on appropriate documentation, nature of the disability, and academic need.  In order to initiate services, students should meet with DSS early in the semester to discuss their needs.  The DSS staff will determine specific accommodations and services.  If a student with a disability does not request accommodations through the DSS office, the instructor is under no obligation to provide accommodations.  Students may contact the DSS office at 330-494-6170, ext. 4935, or schedule an appointment in B104.

**Computer Usage**

Students are expected to observe the Student Computer Usage Guidelines concerning the appropriate use of computers at the College. The guidelines are posted in all areas where computers are located and on the SSC website.

Help Desk Services provides support for the following computer issues:

* questions regarding access to student accounts (login issues)
* connecting to a College resource
* connectivity issues with Blackboard (LMS - learning management system)
* using mySSC tools
* software questions
* campus laptop checkout
* reporting issues with computing or technical resources

Help Desk Services is located in B219 on the Main campus. Contact them at 800-797-8275 (800-79-STARK), ext. 4357 (HELP). See the Help Desk Services website: <https://helpdesk.starkstate.edu/> for help, training, hours, and contact information.

**Student Success Resources**

* Science Learning Center
* Spartan Food Cupboards
* Starfish
* Student Advising
* Student Clubs
* Student Diversity
* Student Handbook
* Student Recreation and Game Room
* Student Success Workshops
* Student Support Office – counseling services
* Testing Center
* TRiO Student Support Services
* Tutoring
* Writing Center
* Career Services
* College Store
* Computer Basics Workshops
* Digital Library
* Disability Support Services
* English Language Learner Lab
* First-Year Experience Program
* Gateway Student Services
* Handshake
* Help Desk Services
* Interfaith Campus Ministry
* Math Learning Center
* Military Services
* mySSC
* Online Learning



 **Stark State College**

 **Class Syllabus**

**Division Name:**  Business, Engineering, and Information Technologies

**Department Name:**  Computer Science and Information Systems

**Term:** Fall 2023

**Course Information**

**Course Name:** Java Programming

**Course Number:** CSE231

**CRN:** 32003

**Course Modality:** [ ]  Classroom/Lab [ ]  Web 2 [x] Web 3

 [ ] Web 4A [ ] Web 4B [ ] Web 4C [ ] Web 4D [ ] Web 4E [ ] Web 4F [ ] Web 4G

**Class Days/Times:** Online

**Campus Location:** Main

**Room Number:** Online Click here to enter text.

**Instructor Information**

**Instructor(s) Name:** Sharon Hoover

**Office Hours:** Office Hours in C100k

 Monday 1pm-2:30pm

 Tuesday 12:30pm-2:30pm

 Thursday 12pm-2:30pm

 Tutoring Hour in B214

 Monday 12pm-1pm

 Online (Virtual) Office Hours

 Fridays 9am-12pm by appointment via Zoom

*Note: I am often able to meet with a student outside of the above listed office hours. Please contact me if another time is needed.*

**Office Location:** C100k

**SSC Phone/Extension:** 330-494-6170 ext. 5049

**SSC Email Address:** shoover@starkstate.edu or Blackboard Messages (Preferred)

**Required Materials**

**Textbook(s):**

Title: Java: How To Program Early Objects 11th Edition

Author: Deitel

ISBN: 9780134743356

Note: The Access Card is optional for the class.

\*\*You may also be able to access this text free of charge via Safari Books Online, a resource available to students. If interested, please see the Digital Library’s directions here <https://libguides.starkstate.edu/c.php?g=501233&p=7554074> for how to access the Safari Books Online web site. Once on the site, search for the book by title. If you have questions, please reach out to me.

**Additional Materials:** Java Development Kit (see class policies for more information)

**Methods of Assessment/Methods of Evaluation**

The student’s overall percentage is calculated by dividing the total points the student earns by the total possible number of points included in the exams, lab assignments and quizzes.

2 exams @ 100 points each = 200 points maximum (GLO 1, 2, 3, 4)

13 assignments @20 points each = 260 points maximum (GLO 1, 2, 3, 4)

4 quizzes @10 points each = 40 points maximum (GLO 1, 2, 4)

 Total = 500 points maximum

The total number of points earned by the student will be divided by the maximum number of points possible (500) to obtain a percentage. This percentage will then be used to determine a letter grade as demonstrated above in the Grade Scale section.

**Exams**

 There will be two exams this semester - a midterm and a final. The midterm will incorporate materials from Chapters 1, 2, 3 and 4. The final exam will focus primarily on Chapters 5, 6 and 7. Note that since Chapters 5-7 build upon the earlier chapters, some of the material from the first part of the semester may also be included in the final exam.

In general, no makeup exams are given; exams must be taken at the time scheduled unless advance arrangements are made. Any makeup exams given – at the discretion of your instructor - may be more difficult and in a different format than found in the original exam. A missed exam will be assigned a score of zero.

**Grading Scale**

>= 90% guarantees a grade of A
>= 80% guarantees a grade of B
>= 70% guarantees a grade of C
>= 60% guarantees a grade of D
< 60% constitutes failure and a grade of F

**Class Policies**

(Established by the instructor and cannot conflict with the College’s Policies and Procedures)

**Online:** This is an online-only course. We will not be meeting in a face-to-face classroom. All content and assessments (quizzes, tests, assignments, etc.) will be delivered digitally through Blackboard. The materials and assessments and how to access them are described below. Note that there are not specific days/times that you need to log into the course. However, materials and assignments must be completed before or on the due date. If students would like to meet at any point to discuss course content, their grade, issues with their programs, etc., I am available. I can either meet during my office hours or via a scheduled Zoom session. If you are struggling with any of the course material or would just like to have face-to-face contact at any point during the semester, please send me a message through the “Course Messages” link in Blackboard or you can send an email to shoover@starkstate.edu.

**Blackboard:** The Blackboard web site will be your source of materials for the course, your communication channel to your instructor, and is where you will go to read about and submit assignments, quizzes and tests. The Blackboard site address is <http://blackboard.starkstate.edu> .It is critical that students log onto the site during the first few days of the course and log on several times per week to check Mail and Announcement notifications in addition to completing work for the course.

**Student Help Resources:** A very important student resource site is available at the following address: <https://www.starkstate.edu/eStudent/> Students are encouraged to use this web site to help answer any questions regarding Blackboard or to find documentation on how to use Blackboard.

**Start Here:** Once you click to open our course link in Blackboard, you will find a “Start Here” link on the menu. Upon accessing the course, students should review all materials under the Start Here link. The information in Start Here contains the syllabus as well as other important information for the course.



**Lessons:** In Blackboard, you will also find a link for “Lessons”.



Lessons contains the weekly folders for the course.

The weekly folders contain the course materials and assignments for the class.



Please use the Blackboard Course Calendar (see below) to see when items are due.



Every week you will have a new folder under Lessons for which you are responsible. For example, for the first week of the semester you need to complete all items under the Week 1 folder. Each folder will consist of an introduction followed by another set of folders: Materials and Assignments. Please make sure to review all items in the folders and complete all items under the Assignments folder. Watch the Course Calendar very carefully for due dates. It is imperative that students log in several times per week to complete their work and to check due dates.

**Exams:** There will be a Midterm and a Final Exam during the semester. See the course outline at the end of this document for the schedule of exams. In general, no makeup exams are given; exams must be taken at the time scheduled unless advance arrangements are made. Any makeup exams given – at the discretion of your instructor - may be more difficult and in a different format than found in the original exam. In most cases a missed exam will be assigned a score of zero.

**Lab Assignments:** All assignments must be submitted via the course Blackboard assignment drop boxes for the appropriate week. Assignments are due by midnight on the assigned due date. Late assignments will be accepted up to two weeks past the assignment due date with a 10% grade reduction for each week it is overdue (10% for one week overdue, 20% for two weeks overdue). Do not submit assignments past 2 weeks overdue – they will not be accepted. Due dates can be viewed via the Calendar link in Blackboard or using the Outline at the end of this document.

**Quizzes:** All quizzes are completed in Blackboard and are required to be in by the due date – no late submissions are accepted.

**Feedback for Grades:** It is very important that students review their scores for all quizzes, tests, and assignments. This is accessible through the My Grades link as shown below.



Note that after clicking on this link, students should click on the individual assignment to view instructor feedback. Directions for how to do so can be found at the following link: <https://www.starkstate.edu/eStudent/tutorials/grades/view-graded-assignment/>

**Required Software:** The Java Development Kit (JDK) is required software for this class. The first assignment for this class (Week 1) contains instructions for how to install and configure this software. Later we will also use Eclipse software to develop programs, however this will be introduced as the semester progresses.

Class Participation: Students are expected to participate in classroom exercises and discussions as they are a valuable learning tool. The extent of student preparation and discussion will contribute to the length and effectiveness of the classroom exercises.

**Plagiarism**: Successful students always make sure that their work is original. This is important because the instructor must be able to gauge what the student has learned. Therefore, copying the work of another person, whether an essay or answers during a test, is considered plagiarism.

Plagiarism is a form of cheating. Any time a student uses someone else's work and does not give that person credit, it is plagiarism. Anyone who plagiarizes will receive an “F” on the assignment. If this is repeated, the student will fail the course and can be expelled from the college. If you are "suspected" of plagiarism, you will bear the burden of proof. You must be able to present rough drafts or related materials and discuss the topic intelligently.

**Help**: Please feel free to email me your questions. Please also consider posting your question on the Blackboard discussion forums for assistance from other students. This is also helpful to other students who may have the same question. You can find a discussion forum in each weekly folder.

**Additional Information/Requirements**

Student Responsibility:

Colleges are learning communities. Individuals who are accepted into these bodies have the rights and privileges of membership. They also incur responsibilities. The dictionary defines responsibility as “personal accountability” or “the ability to act without superior guidance.” Responsibility is an essential ingredient for student development. Students should be more than passive transients through an institution. They must be active and responsible in their own learning and environment. A student who is open to the experiences that college offers will find that all learning requires an investment of time and effort. Learning in college is a joint proposition. The institution and faculty are responsible for providing the resources and opportunities. Students are responsible for involving themselves in their class work. While colleges have responsibilities to students and to society, they are not solely responsible for the outcomes of their students. If students are unwilling to do their part, then outcomes will be less than satisfactory. Individuals who are unprepared to accept their responsibilities as students and who have demonstrated such should not expect to successfully complete their course of studies.

Assessment: Assessment of student learning provides the college with the tools to help students achieve their educational goals. Student Learning Outcomes (SLOs), which include General Learning Outcomes (GLOs) and Program Learning Outcomes (PLOs), expand the scope of inquiry from the individual student (who will continue to be individually assessed in courses) to the program level.

The college has identified six general learning outcomes (GLOs) that are considered integral to providing opportunities for lifelong learning, preparing students for successful transfer and competence in the workplace. These six GLOs are identified on each master syllabus and carefully analyzed for coverage in each course and aligned with the learning objectives and methods of assessment/evaluation in the course. The GLOs are:

* Effective Communication (written, oral, reading, and listening)
* Quantitative Literacy (includes computational skills)
* Information Literacy
* Critical Thinking
* Global and Diversity Awareness
* Civic, Professional, and Ethical Responsibility

Through a formal assessment process, the courses are assessed through student achievement throughout the curriculum. Faculty can utilize tools to communicate with students about their readiness for learning and their effectiveness as learners based on the formal assessment process.

Assigned Readings: In order to ensure student success in this course, the student is responsible for all assigned readings, including but not limited to textbook chapters, discussion postings, chat room entries, homework assignments, labs, articles, instructions, manuals, and emails. The assigned readings are a required part of this course in order to assess the Effective Communication general learning outcome. The student may use information from these readings to analyze the basic elements of an idea, thought, or experience; to synthesize and organize ideas, information, or experiences; to make judgments about the soundness of information, arguments, or methods; to apply theories or concepts to practical problems; or to use information to perform a new skill.

Written papers/reports: In order to ensure student success in this course, the student is responsible for all written assignments, including but not limited to research papers, homework assignments, lab reports, discussion postings, emails, article summaries, and quizzes/tests. The written papers/reports are a required part of this course in order to assess the Effective Communication general learning outcome.

Tutoring/Skills labs/Digital Library: The Information Technology Division promotes student success by encouraging students to utilize the academic support services offered here at the college.

* Digital Library – Room B123
* Tutoring Center – B214
* Math Lab – E206
* Writing Center – G200
* Science Lab – H200

Academic Advising: After the initial advising in the Admissions Office, each student is assigned an academic advisor in his/her chosen program. The student should schedule appointments with his/her academic advisor when assistance in scheduling classes and preparing for graduation is needed.

Career Counseling: Stark State College offers career counseling services and resources in the Career Services Office, M104. Faculty members and department chairs may provide guidance to students in determining career goals.

**Academic Withdrawal Dates**

**POLICY:**

A student may drop a class or all classes from the College before the end of the seventh calendar day (excluding holidays and emergency closings) of any academic period without academic penalty. Any changes made during this period will not become a part of the student’s academic record. Students should refer to the posted refund schedule.

Beginning with the eighth calendar day through the published withdrawal date, the College gives students an opportunity to withdraw from a class or all courses. It is the student’s responsibility to withdraw by the published withdrawal date and to satisfy any financial obligations to the College. A student is officially withdrawn from a course once a signed, or electronically submitted, “Schedule Change” form has been submitted to the Academics Records/Registrar’s Office. A grade of “W” will appear on the student’s academic record.

Beyond the published withdrawal date through the end of the last instructional day, a student with an emergency or extenuating circumstance may receive a grade of “W” only upon consultation with the instructor and approval from the department chair. Sufficient supporting documentation shall be provided by the student when making such a request.

***If a student is a financial aid recipient, it is strongly recommended the student consult with a financial aid representative to discuss ramifications of withdrawing.***

**PROCEDURE:**

1. Beginning with the eighth calendar day through the published withdrawal date (excluding holidays and emergency closings), the College requires students to obtain the instructor’s, academic advisor’s, or department chair/program coordinator’s signature, or email approval, and to submit the form to the Academic Records/Registrar’s Office to process the withdrawal. The person approving the withdrawal should discuss the reason for the withdrawal with students to ensure they are aware of all their options. Students can submit an electronic request for withdrawal, through their official Stark State email, including discussion of all options, via the instructor, academic advisor, or department chair/program coordinator to the Academic Records/Registrar’s Office. The Schedule Change form is available on the mySSC portal.

2. A student is officially withdrawn from a class once a signed “Schedule Change” form has been submitted to the Academic Records/Registrar’s Office. A grade of “W” will appear on the student’s academic record beginning with the eighth calendar day through the published withdrawal date (excluding holidays and emergency closings) of any academic period, as long as the student withdraws before the published withdrawal date.

3. Failure to follow the procedures may result in the student remaining registered for the class and accepting the grade outcome on the academic record at the end of the semester.

**Deadline to Process Withdrawal Form for This Class: 11/20/2023**

**College Credit Plus**

Important dates are different for College Credit Plus students. Please go to the link below for the most current information.

<https://www.starkstate.edu/admissions/collegecreditplus/dates/>

**Course Outline/Calendar**

In case of events beyond the control of faculty that interfere with class times and teaching, adjustments may be made to date of coverage, order of coverage, and date of exams and assignments to ensure full coverage of course content.

|  |
| --- |
| **Course Outline****Fall 2023** |
| **Week 1** | Topic: Introduction to Computers, the Internet and JavaReading Assignments: Chapter 1, Items in Materials folderAssigned: Lab 1Due: None |
|  **Aug 28 / Sep 2** |
| **Week 2****Sep 3 / Sep 9** | Topic: Introduction to Java Applications and Creating OutputReading Assignments: Chapter 2 Sections 2.1-2.4, Items in Materials folderAssigned: Lab 2Sep 3: Lab 1 |
| **Week 3** | Topic: Variables, Memory, Arithmetic Calculations & OperatorsReading Assignments: Chapter 2 Sections 2.5-2.9, Items in Materials folderAssigned: Lab 3, Quiz 1Sep 10: Lab 2 |
| **Sep 10 / Sep 16** |
| **Week 4****Sep 17 / Sep 23** | Topic: Introduction to Classes, Objects & MethodsReading Assignments: Chapter 3 Sections 3.1-3.4, Items in Materials folderAssigned: Lab 4Due Sep 17: Lab 3, Quiz 1 |
| **Week 5** | Topic: More about Classes & Floating-Point NumbersReading Assignments: Chapter 3 Sections 3.5-3.7, Items in Materials folderAssigned: Lab 5Due Sep 24: Lab 4 |
| **Sep 24 / Sep 30** |
| **Week 6****Oct 1 / Oct 7** | Topic: If/Else and While Control StructuresReading Assignments: Chapter 4 Sections 4.1-4.9, Items in Materials folderAssigned: Quiz 2, Lab 6Due Oct 1: Lab 5 |
| **Week 7** | Topic: Sentinel-Controlled Repetition, Nesting Control Statements, Compound Assignment Operators, Increment and Decrement Operators Reading Assignments: Chapter 4 Sections 4.10- 4.16, Items in Materials folderAssigned: Study for MidtermDue Oct 8: Quiz 2, Lab 6 |
| **Oct 8 / Oct 14** |
| **Week 8****Oct 15 / Oct 21** | Topic: Midterm, for Loops, and do...while LoopsReading Assignments: Chapter 5 Sections 5.1-5.5, Items in Materials folderAssigned: Lab 7**The Midterm will take place in Blackboard and will be due by 11:59pm on Sunday, October 22nd.** |
| **Week 9** | Topic: Switch Statements and Logical Operators Reading Assignments: Chapter 5 Sections 5.6-5.12, Items in Materials folderAssigned: Lab 8Due Oct 22: Lab 7, Midterm |
| **Oct 22 / Oct 28** |
| **Week 10****Oct 29 / Nov 4** | Topic: Static Methods and Declaring and Using Methods Reading Assignments: Chapter 6 Sections 6.1-6.5, Items in Materials folderAssigned: Quiz 3, Lab 9Due Oct 29: Lab 8 |
| **Week 11** | Topic: Method-Call Stack, Arguments, Java API Packages Reading Assignments: Chapter 6 Sections 6.6-6.9, Items in Materials folderAssigned: Lab 10Due Nov 5: Quiz 3, Lab 9 |
| **Nov 5 / Nov 11** |
| **Week 12****Nov 12 / Nov 18** | Topic: Enum, Scope of Declarations and Method OverloadingReading Assignments: Chapter 6 Sections 6.10-6.14, Items in Materials folderAssigned: Lab 11Due Nov 12: Lab 10 |
| **Week 13** | Topic: Declaring and Creating Arrays & Exception Handling Reading Assignments: Chapter 7, Sections 7.1-7.5, Items in Materials folderAssigned: Quiz 4, Lab 12Due Nov 19: Lab 11 |
| **Nov 19 / Nov 25** |
| **Week 14****Nov 26 / Dec 2** | Topic: Enhanced for Statement, Passing Arrays to Methods & Multidimensional Arrays Reading Assignments: Chapter 7 Sections 7.7-7.11, Items in Materials folderAssigned: Lab 13Due Nov 26: Quiz 4, Lab 12 |
| **Week 15****Dec 3 / Dec 9** | Topic: Variable-length Argument Lists, Command-Line Arguments, Arrays Class, Collections and ArrayList Class Reading Assignments: Chapter 7, Sections 7.12-7.18, Items in Materials folderAssigned: Study for Final ExamDue Dec 3: Lab 13 |
| **Week 16** | Topic: Final Exam**The Final Exam occurs this week and is due by Friday, December 15th, by midnight. No exam or assignment submissions will be accepted after 12/15.** |
| **Dec 10 / Dec 15** |