COURSE SYLLABUS

COURSE: **CIS 149 - Introduction to JAVA**
CREDIT: 3 semester hours (2 Lecture hours, 2 Lab hours)

INSTRUCTOR: Roger Morris
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SCHOOL: Southeast Technical Institute
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DESCRIPTION: This course is designed to provide students with the knowledge necessary to understand, write and debug entry level programs/applications in the Java programming language. Topics covered include graphical user interfaces, data types, operators, expressions, program flow control statements, methods, arrays, objects and classes, exception handling, input and output, developing database client applications using SQL statements in Java programs, and utilizing Java to develop entry level web applications. IBM's WebSphere Application Studio will be the Integrated Development Environment used to develop these applications.

PREREQUISITES: CIS 130 Introduction to Programming or equivalent

Textbook: "Java Programming 4th eddition" by Joel Murach. ISBN#: 978-1-890774-65-3.

COURSE SKILLS: The student should have the following skills upon successful completion of this course:

- Familiarity with syntax and methods within the Java programming language
- Skills required to utilize IBM's WebSphere Development Studio for developing Java applications
- Problem analysis, logic design, and program development of entry level Java business applications
- Ability to develop Java desktop and web applications that can read/write/modify data in a database
- Ability to find and fix software "bugs" in entry level Java programs

BASIS FOR EVALUATION:

Exams & Quizzes (50% of grade) - Approximately five exams will be given during the semester. Exams will consist primarily of open book/open computer performance tests (coding, documenting and debugging programs) and secondarily of open book/closed computer tests where you create code by hand without being able to test it on a computer. Make-up exams are not available. Students may throw out their lowest exam score (if a test is missed, then the missed test is the test that would be thrown out) or choose not to take the last exam if they are satisfied with their average grade from all their other exam scores for the semester. Any email or IM program must be turned off during a test or your test will be picked up and you will receive a zero for a grade on the test.

Programming Problems/Lab Assignments (50% of grade) - All assignments will be given a due date. No assignments will be accepted after the due date unless arrangements have been made with your instructor on or before the due date (i.e., if you are out sick or have a family emergency you must notify the instructor either by e-mail or voice mail that you will not be able to hand in your assignment on time and make arrangements with your instructor for a mutually accepted alternative due date on or before the assignment is due).

COMPUTER INFORMATION PROCESSING
Grading and Attendance Policies

GRADING

Grades will be earned on a point system, and will be determined by using the following formula:

$$\frac{\text{Points Earned - Deductions}}{\text{Points Possible}}$$

The grading scale is as follows:

A+ = 99 to 100	A = 94 to 98.99	A- = 89.5 to 93.99
B+ = 89 to 89.49	B = 84 to 88.99	B- = 79.5 to 83.99
C+ = 79 to 79.49	C = 74 to 78.99	C- = 69.5 to 73.99
D = 63 to 69.49	D- = 59.5 to 62.99	F = 0 to 59.49

ATTENDANCE AND DUE DATES

It is expected that students demonstrate responsibility and commitment to learning by submitting all assignments on or before the designated due date given by the instructor, and by attending all scheduled classes. Since a significant amount of relevant information over and above what is in the textbook will be presented and discussed during class, it is essential that the student attend regularly. It is the responsibility of the student to sign the attendance sheet each time the student is present in class.

STUDENT RESPONSIBILITY

It is the student's responsibility to be an active participant in class. Integrity and professional work ethics will be demonstrated by the instructor and required from the students. Excessive misuse of the computer resource (excessive Internet surfing during classroom sessions, emailing, chat room use, inappropriate computer use and/or screen savers, etc.) will result in disciplinary action. Please refer to your Student Handbook for more details. Cheating and plagiarism will result in a zero for that work. Further unethical behavior will result in a failing grade for the course. *

Violations of safety to self and others and/or violation of safe operating practices of equipment may result in: the reduction or loss of your daily grade; removal from class; and/or other disciplinary action.

*Refer to your STI Student Handbook for additional school policies.

The instructors and the faculty members in this course will act with integrity and strive to engage in equitable verbal and nonverbal behavior with respect to differences arising from age, gender, race, handicapping conditions and religion. If you have special needs as addressed by the American with Disabilities Act and need course materials in alternative formats, notify your instructor immediately. Reasonable efforts will be made to accommodate your special needs.

STUDENT SUCCESS

Student success is important to our faculty, and all faculty are involved in assessing learning. Upon completion of a degree, Southeast graduates will have demonstrated competence in the following areas:

Science and Technology: Technical competence including knowledge of technology and/or scientific principles as these apply to programs.

Problem Solving & Critical Thinking: The ability to select and use various approaches to solve a wide variety of problems – scientific, mathematical, social and personal. Graduates will also be able to evaluate information from a variety of perspectives, analyze data, and make appropriate judgments.

Communication: The ability to communicate effectively in several forms – oral, written, nonverbal and interpersonal. Graduates will also demonstrate knowledge of how to manage and access information.

Professionalism: Strong work ethic, including responsible attendance; skill in teamwork and collaboration, as well as an ability to work with others, respecting diversity; ability to adapt to change; commitment to lifelong learning; adherence to professional standards; and positive self-esteem and integrity.