

## COURSE SYLLABUS

**COURSE:** CIS 149 - Introduction to JAVA  
**CREDIT:** 3 semester hours (2 Lecture hours, 2 Lab hours)  
**INSTRUCTOR:** Roger Morris  
**OFFICE:** TC202, Technology Center  
**PHONE:** 605-367-5858  
**E-mail:** roger.morris@southeasttech.edu  
**SCHOOL:** Southeast Technical Institute  
**ADDRESS:** 2205 N. Career Avenue, Sioux Falls, SD 57107

**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 client applications, 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:** Murach's beginning Java with Eclipse by Joel Murach. ISBN#: 978-1-890774-89-9.

**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 an object
- Ability to find and fix software "bugs" in entry level Java programs

### BASIS FOR EVALUATION:

#### Exams & Quizzes (50% of grade) –

- Approximately three exams will be given during the semester.
- Exams will consist primarily of open book/open computer performance tests
- Exams may also contain T/F, Matching, and or MC questions.
- 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 (44% of grade) -**

- All assignments will be given a due date.
- Due dates will not be changed unless prior arrangements have been made.
- Assignments will be accepted up to 4 days past the due date.
- For each day late, a 10% reduction in the grade for the assignment will be assessed.
- After 4 days late, the assignment has no value.
- Student may receive partial credit for partial solutions.
- Since assignments are turned in electronically, being absent from class is not an excuse for turning in an assignment late.

Since the mission of Southeast Technical Institute is to educate people for employment in technical careers, it's important that students 'Do the Work!'

**Topic Review Assignments (6% of grade)** – In an effort to assist students with topics that may be challenging, periodic short **in-class** assignments/activities will be given (approximately one per week). Some assignments will be completed independently, while others will be done in small groups. Assignments in this category cannot be made up if missed.

## **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:

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

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 POLICY****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. \*

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

*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.*

*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.