COURSE SYLLABUS

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

INSTRUCTOR: Jason Braucht
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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   Digital Copy ISBN#: 9781943872299

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 (55% 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 (45% 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!'

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 POLICY

Attendance will be taken as each class begins. It is expected that you attend all classes on time. It is also expected that you notify your instructor via email if for some reason you can't attend class. For course sections where there are no regular meet times (such as on-line sections), attendance will be based on weekly assignments or other class interaction such as forum posts.

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. [*]

STUDENT SUCCESS: Student success is important to Southeast Tech faculty, and all faculty are involved in assessing learning. Upon completion of a degree, Southeast graduates will have demonstrated competency in the following areas:
Technology: *Graduates will be able to understand industry-relevant technical concepts (knowledge) and demonstrate industry-relevant technical skills (performance).*

Communication*: Graduates will be able to define the purpose of the communication they are using, organize and structure the communication, and provide supporting materials for this communication. Graduates will demonstrate precision of language and will be able to professionally deliver and format the communication.*

Problem Solving & Critical Thinking*: Graduates will be able to define a problem as it relates to their field of study. They will demonstrate the ability to analyze the problem, generate solutions, evaluate solutions, and select the best solution.*

Professionalism*: Graduates will be able to demonstrate positive work ethic, collaborate as part of a team, adapt to change, adhere to professional standards, and model integrity and ethics.*

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.

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