Course Syllabus

COURSE: **CIS 131 C# Programming**
PREREQUISITE: CIS 130 Introduction to Programming
CREDITS: 3
TERM: Spring 2017

INSTRUCTOR: Cindy Roller
OFFICE: Tech Center, Room TC202   **HOURS**: posted in TC202
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SCHOOL: Southeast Technical Institute

COURSE DESCRIPTION: Students will build on their knowledge of fundamental programming concepts in this course by developing a variety of business applications using the C# programming language. A higher-level understanding of methods and event-handlers, arrays and collections, object-oriented programming concepts, and database programming is the desired outcome.

TEXT: Murach's C# 2015 6th ed. by Anne Boehm & Joel Murach **ISBN:** 978-1-890774-94-3

COURSE OUTCOMES: The student should be able to demonstrate the following outcomes upon successful completion of this course:

1. Demonstrate proficiency using Visual Studio to create C# applications.
2. Break down code into logical and more manageable parts.
3. Develop a software solution based on analysis of user requirements.
4. Identify the pros and cons of using arrays versus collections.
5. Discuss program logic and code with others.
6. Create programs that effectively solve a variety of problems.
7. Diagram algorithms using a variety of techniques.
8. Reconstruct an application to include object-oriented programming concepts.

BASIS FOR EVALUATION:

Exams: (48% of grade) – A minimum of four exams will be given during the semester. Exams will consist primarily of performance tests (where the student creates or completes an application). Tests may also include true/false, multiple choice, and fill-in type questions. Make-up exams are not available, but arrangements may be made with the instructor to take an exam prior to the scheduled testing time. Students may throw out their lowest exam score (if a test is missed, then the missed test would be thrown out) or choose not to take the last exam if they are satisfied with their grade.

Programming Assignments (38% of grade) – Each assignment will be given a due. Being absent from class is not an excuse for turning in an assignment late. An assignment will be accepted up to two days past the due date. For each day late, a 5% grade reduction may be assessed. Students are still encouraged to complete all work in order to learn the material, and if turned in prior to the closing date, may receive partial credit for a partial solution.

Class Preparation, Participation, & Team Work (8% of grade) - It is expected that students demonstrate responsibility and commitment to learning by participating in all scheduled classes and activities. Students should check their school e-mail and the course website to stay current with assignments. Additional study time outside of class is required. Quizzes or short, in-class assignments fall in this category. They may be given unannounced, and may not be made up if missed. One or two low quizzes may be thrown out, depending on the number given.

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.

GRADING - The grading scale is shown at right. NOTE: GPA's do not reflect a + or -.

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+ = 69 to 69.49	D = 64 to 68.99	D- = 59.5 to 63.99
F = 59.49 or below		

ATTENDANCE POLICY: Punctuality and good attendance are important. Being tardy or absent has a negative effect on the learning environment and ultimately the work environment. To better prepare students for employment, this course has expectations that emulate those of a normal job. Students should monitor their attendance on STInet. Students are encouraged to meet with and email their instructors if they have extenuating circumstances that cause them to be absent.

CLASSROOM CONDUCT: Integrity and professionalism is expected by everyone. Misuse of the computer (excessive Internet surfing during class, emailing, chat room use, and/or inappropriate screen savers, etc.) may result in disciplinary action. Cheating and plagiarism will result in a zero for that work and further unethical behavior may result in a failing grade for the course or even suspension. *Please refer to your Student Handbook for more details.

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.

Instructors and faculty members 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.
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 disciplinary action.