

Course Syllabus

COURSE: CIS 131 C# Programming
PREREQUISITE: CIS 130 Introduction to Programming – ONLINE
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 date. Most programming assignments will be accepted up to two days past the due date, but a 5% grade reduction may be assessed. It is important to read any and all instructions included in all assignments in Coursework. 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.

Attendance/Class Participation, Preparation & Team Activities (8% of grade) - It is expected that students demonstrate responsibility and commitment to learning by submitting all assignments on or before the designated due date and by actively participating in team projects or forums. Students should check their school e-mail once or twice a day for any communication from their instructor(s). This is especially important in an online course!

Students are also expected to act in a professional and courteous manner. Cheating or plagiarism may result in, at the very least, a zero for that work. Severe unethical behavior may result in a failing grade for the course, and possible suspension from school.

Topic Review Assignments (6% of grade) – In an effort to assist students with topics that may be challenging, periodic supplemental 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		

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

Science and Technology: Technical competence including knowledge of technology and/or scientific principles as they 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.