

REPRESENTATIVE TEXT/S:

Gaddis, T. (Current edition). *Starting out with Visual C# 2012*, New York, NY: Pearson.

SUPPLEMENTARY MATERIALS/REFERENCES:

Internet resources.

EVALUATION METHODS:

Homework assignments and exams. Other methods of evaluation may be used.

NOTE: Grading and assessment criteria may appropriately differ. Grades focus on what individual students have learned while assessments focus on entire cohorts of students. Each instructor will determine his/her grading criteria for the course and state on the course syllabus.

REQUIRED ASSESSMENT METHODS:

Assessment results from these methods will be used for course-level assessment and, where applicable, for SCCC core principles and SUNY General Education Knowledge and Skills areas. This information will be incorporated in program reviews.

Student Learning Outcome	Method(s)
Describe the process of program design and development	Assignment
Employ standard object-oriented programming principles	Assignment
Utilize primitive data types, expressions, strings, and arrays	Exam
Use basic computer language concepts such as program flow, decision structure, and loops	Assignment
Write, run, save, print and modify computer programs	Assignment
Identify and solve syntax errors, run-time errors and logic errors	Exam
Apply commonly used algorithms	Assignment

NOTE: College policy requires a final exam or final week activity.

COURSE CONTENT OUTLINE:

COURSE: CIS 129 - Programming Fundamentals

<u>WEEK</u>	<u>TOPIC</u>
1	Introduction to Programming Fundamentals and the MS Visual Studio Environment
2	Techniques for good program design
3	Data Types and Operators
4-5	Selection Statements
6-7	Lists and Loops
8-9	Sub Procedures and Functions
10	Designing Multiple Files and Menus
11-12	Arrays
13	Working with Files
14-15	Introduction to Classes
16	Final Exam