J. Sargeant Reynolds Community College  
Course Content Summary  

Course Prefix and Number: ITP 136  
Credits: 4  

Course Title: C# Programming I  

Course Description:  
Teaches the fundamentals of object oriented programming and design using C#. Emphasizes program construction, algorithm development coding, debugging, and documentation of applications within the .NET framework. Lecture 4 hours per week.  

Course Prerequisites/Corequisites  
None  

Course Objectives  
Upon completing the course, the student will be able to:  

a. Articulate and apply the fundamentals of object-oriented programming and design using C#.  
b. Understand the concepts of object oriented language, encapsulation, inheritance and polymorphism.  
c. Write programs within the .Net framework using C# programming.  

Major Topics to be Included  

a. Introduction to computers and Programming Languages  
b. C# language fundamentals  
c. Classes and Objects  
d. Inheritance and polymorphism  
e. Interfaces  
f. Arrays and collections  
g. Strings and regular expressions  
h. Handling Exceptions  

Effective Date of Course Content Summary: October 21, 2008