

Course Outcome Guide (COG)

Approved 03 MAY 2012

Course:	CSCI 172 Intermediate Visual Basic	Credits:	3	Instructor:	
Course Description:	Intermediate-level programming in the BASIC/VISUAL BASIC language. Prerequisite: CSCI 122				
Concepts and Issues	Process Skills	Assessment Tasks	Intended Outcomes		
			Course	General Education or Program	Institutional
<ul style="list-style-type: none"> • Arrays • Sequential Files • List Boxes, Combo Boxes, and File-Opening Control • Additional Controls and Objects • Databases • Classes and Objects • Arrays of Objects • Inheritance 	<ul style="list-style-type: none"> • Create and access arrays • Merge arrays and pass arrays to procedures • Use the bubble and shell sort to search for an element of array • Read from and write to sequential files • Sort sequential files • Obtain input from list boxes and combo boxes • Use the check box, radio button, timer, and scrollbar controls • Create tables and use SQL to view and manipulate tables • Implement inheritance to be created from an existing class to gain its interface 	<ul style="list-style-type: none"> • Participate in classroom activities demonstrating knowledge of key visual basic concepts. • Recall and practice key concepts and techniques by completing assigned homework problems. • Complete objective tests demonstrating mastery of concepts and process skills. • Summarize understanding by completing programs that illustrate mastery of concepts. 	<ul style="list-style-type: none"> • Construct appropriate user interfaces with a deeper knowledge of software development , and design systems with minimal complexity and maximal functionality. • Construct object-oriented programs with an appreciation for data validation and information hiding. • Effectively use software development tools including libraries, compilers, editors, linkers and debuggers. 		