

Shaw University

College of Graduate and Professional Studies Department of Computer Information Science

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CIS 311 01 Visual Basic.Net Fall 2005

Instructor: Dr. Anozie Nebolisa, Associate Professor
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Class Time: T,Th (1:00 - 2:15 pm) **Class Room:** Tuper 107
Office Hours: MWF 8 – 7:55am , 10:00- 10:50, 3:00-3:50pm
T,Th 12:00 12:50 Pm
Other times by appointment

Text: An Introduction to Programming using
MS Visual Basic.Net
Publisher: Lawrenceville Press

ISBN : 1-58003-037-8

Prerequisites: No previous programming experience required or assumed.

Before attending this course, students must have:

- Windows navigation skills.

Course Objectives: To teach students the fundamentals of the MS Visual Basic.Net programming language. To teach the basic concepts and methods of object-oriented programming and object-Oriented design. To emphasize the development cycle as a means of creating applications. To demonstrate how to implement logic involving sequence, selection, and repetition using Visual Basic.Net. To illustrate well-written and readable programs using a disciplined coding style, including documentation and indentation standards.

At Course Completion

After completing this course, students will be able to:

- Create a simple Visual Basic .NET–based application based on the Windows Application template.
- Use forms and controls to create a user interface.
- Create and use variables and arrays.
- Create and use Sub and Function procedures, including predefined functions.
- Implement decision structures and loops by using conditional expressions.
- Validate user input for fields, controls, and forms.
- Apply object-oriented programming techniques to create classes, add methods, and add properties.
- Resolve syntax, run-time, and logic errors by using the debugger and structured exception handling.
- Enhance the user interface by adding menus, status bars, and toolbars.
- Create a simple Visual Basic .NET–based Web Forms application that uses an XML Web Service.
- Access and manipulate data in a Microsoft Access or Microsoft SQL Server™ database by using Microsoft ADO.NET.
- Build, package, and deploy an application.

- Computers and Programming language
- Introducing Windows XP
- Introducing Visual Basic.Net Test #1
- Variables and constants test #2
- Controlling program flow with
- decision structures Test #3
- Controlling Program Flow w/Loops Test #4
- Procedures, Math & Business functions
- Arrays Creating classes, Using files Final

Tests: Test will be given during the class period on the dates scheduled, and they will cover both the assigned reading and material covered in class. **Make-up tests Will not be given unless serious illness or injury prevents taking the test.** In the later case, certification by authorized personnel will be required.

Ethical Responsibilities: Students are also expected to demonstrate ethical policies and practices in the course. Cheating will not be tolerated (zero Tolerance) If caught, you will receive a zero.

Evaluation:

Class participation 5%

Assignment/Lab activities	25%
Tests (100 pts. Each)	55%
Final Examination	15%

Grading Scale:

90 and above	A
80-89	B
70-79	C
60-69	D
Below 60	F

Attendance policy: Shaw University attendance policy as described in the University Current catalogue is incorporated by reference. The student assumes responsibilities for class attendance and tardiness. Consequences For non-attendance or tardiness are:

- A) Loss of points on the assignments
- B) Withdrawal from class with falling grade
- C) Lowering of grade

REMARKS:

The professor reserves the right to alter any part of this syllabus without the consent of the students or school authorities.

Cell phones must be in silent mode during class period

Students are not permitted to surf the Internet or play with the mouse when lecture is in progress unless directed by the Professor. Violators will be seriously dealt with.

USE OF THE SHAW UNIVERSITY LIBRARY

It is imperative that you familiarize yourself with the instructional materials that are available to you in the James E. Cheek library on campus. Not only are there numerous books, periodicals, magazine articles, encyclopedias, and newspapers on hand for your perusal in our Library. There are course textbooks and related instructional materials that your professors have placed On Reserve for you as well. In addition, there you will have access to state-of-the-art computers and laptops, which help to place the world virtually at your fingertips. Don't wait another day. Become a regular patron at the James E. Cheek Library here on the campus of Shaw University. You'll become a far better scholar, a more capable and well-rounded intellectual, and a sharper and more competitive individual. It's your library. Use it!