

COURSE SYLLABUS
ITCS 1810
Visual Basic.NET Programming I

INSTRUCTOR: Tony Ruque

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Office Hours: As Posted

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Prerequisites:

ITIS 1010 **Programming Logic**

ITIS 1020 **Introduction to Microsoft Windows**

Or permission of the instructor

TEXT: **Programming in Visual Basic 2008** Bradley & Millspaugh

COURSE DESCRIPTION:

Please refer to the current Lakeland Community College catalog for the description of this course.

COURSE REQUIREMENTS:

1. Reading assignments to be completed per the Course Documents section.
2. Homework and lab assignments per the Assignments section.
3. Quizzes.
4. Two exams

GRADING: Final grade is based on total points earned divided by total points possible.

<u>Item</u>	<u>Grading Scale</u>
2 Exams	90 - 100% A
Lab problems	80 - 89 B
Quizzes	70 - 79 C
	60 - 69 D
	Below 60 F

No homework or lab assignments will be accepted after their due dates. All lab assignments, unless stated otherwise, are due Saturday at midnight (Eastern Time) each week.

I want to make sure that there are no doubts as to what is expected from the software developer student.

Software developers need to validate any data entered by the user, and prevent errors on behalf of the user. For example; if you have a Textbox control that requires numeric data, you should make sure that the user does not enter alphabetic or special characters into this text box.

You need to test & debug your program until you are positive that your program will not crash for the user during execution. There are no mistakes that the user should be able to make that will cause your program to crash.

I will grade your work first by executing the program as a user, and making all the typical mistakes that any user may make. Any program crashes will cost you points. Please take the proper amount of time to check over your work, and prevent yourselves from losing valuable points.

I will then proceed to check your work to make sure that you are using good programming techniques & style.

Important Note: Your submitted programming solution **must** compile and execute. If you are not able to complete all the requirements for the assignment (it happens), I will expect you to comment your work in the appropriate places to prevent compile errors. I will give you partial credit for the assignment as long as the program compiles and executes. Any assignment that does not compile and execute will receive a grade of zero without recourse.

Thank you.

WITHDRAWAL FROM THIS COURSE:

Withdrawals will only be approved in accordance with college policy as stated in the Student Handbook.

ACADEMIC HONESTY:

The Lakeland Community College Academic Honesty and the college's procedure for Academic Honesty violations can be found in the Lakeland Community College Student Handbook.

HOW TO TAKE THIS COURSE:

- 1 *Navigate the Course Site.* Familiarize yourself with each of the areas within the site.
- 2 *Read the Course Information section:*
 - a. Make sure that you have the appropriate computer hardware and software available to you.
 - b. Evaluate your own computer skills and knowledge. To succeed you will need to have good self-discipline and self-learning capabilities. You cannot afford to procrastinate in this class.
- 3 *Use the Staff Information section* to get to know a little bit about me and how to contact me.
- 4 The *textbook* for this course is designed for self-paced independent learning. However, you will likely encounter some problems and develop questions and comments while you are completing the hands-on exercises. This is where I come in. Please recognize that my role in this course is as a learning facilitator. Keep in contact with me and with the other students throughout the course. Check the course site several times a week. Post your questions and comments on the Discussion Board. I will monitor it often and add my responses and tips. All students in the class are encouraged to comment on each other's discussion points. We can all learn effectively and creatively by working together in a "knowledge community". For questions or concerns that you would like to discuss with me privately, please use email, or the "old-fashioned" way – by telephone!
- 5 The *Navigation area* on the left side of the course web page will link you to the following sections used for this course:
 - a. **Announcements:** Check frequently. Any notices or updates on the course will be found here.
 - b. **Course Documents:** Go through this section chapter by chapter. Various documents relevant to the course are located here including my notes for each chapter. You also will find printable copies of some of the course documents in this section.
 - c. **Assignments:** This section will contain your chapter homework assignment and the instructions for you to follow to download the files required to complete the assignment. You will also find the class assessments (quizzes, tests, and exams) in this section.

Please note that all programming assignments must compile and execute to be accepted for grading (partial credit will be awarded). Any assignment that fails to compile and execute will receive a zero grade.
 - d. **Communications:** Use the **Discussion Board** in this section to post questions or comments for discussion by other class members and the instructor. You may have had similar questions or experiences as another student. Every student's questions and comments can be beneficial to the rest of us! This is a great way to help each other learn!
 - e. **External Links:** You will find that the **External Links** are useful sources for additional information in many areas. Visit and explore these sites.
 - f. **Student Tools:** The **Student Drop Box** in this section is used to turn in your assignments. Instead of printed output, files can be submitted to satisfy course requirements. The section also includes a path to check your grade, as well as a Student Manual for information on the usage of the Blackboard CourseInfo Course Site.

6 Prerequisite Computer Skills

The following skills or experience are required for this course.

- ◆ Basic hardware and software knowledge
- ◆ Basic Windows O/S skills
- ◆ Internet skills

7 Course Assignments

- ◆ Lab assignments -- These are found in the Assignments pages of your course site. Complete the exercises for the week. Once the assignment is completed:
 - ◆ Use WinZip to zip all the files for the Solution
 - ◆ Use the Student Drop Box within the Student Tools to submit for grading
- ◆ Quizzes --. Will be available in the Assignments section according to the schedule.
- ◆ Exams --. There are two exams. The exams will be available in the Assignments section according to the schedule.

8 Questions/Feedback

Please do not expect me to be on duty 24-7. I will strive to get back to you as soon as I possibly can. However, I do take time off just like anybody else. Most people expect to take weekends off from work, and they do “clock out” after 8-10 hours of week day work. I feel the same way.

I do carry a Blackberry which gives me direct access to my Lakeland emails. I will do my best to respond to your questions on a timely basis, but my responses will be kept very short when responding with my Blackberry phone. This is not because I am being “short” or rude with you. It is due to the fact that the keyboard on a Blackberry is very small for obvious reasons. You will know how I responded since the Blackberry responses will be tagged as such. Also my Blackberry is off on purpose when I decide to “clock out”. As stated above, do not expect immediate responses. Having stated the previous, your best bet as far as questions are concerned is by email. I check my emails much more often than my voice mails.

COURSE SCHEDULE

This is the schedule for you to keep to be able to complete the course in the required time. If you stick with this schedule, you should not be overloaded at the end of the term. **Students are responsible for completing and submitting all course requirements by the specified dates.**

Please make sure to check the Assignments section of our course site for your weekly assignments. There will be a quiz due each week except on exam weeks.

Week	Assignment
1 Aug 24	Chapter 1 Introduction to Visual Basic.NET (History & Demonstration) Lab 1
2 Aug 31	Chapter 2 User Interface Design Lab 2 Chapter 4 Decisions and Conditions <i>pages 159-180 only</i>
3 Sep 07	Chapter 3 Variables, Constants, Data Validation, and Calculations Lab 3
4 Sep 14	Chapter 4 Decisions and Conditions (cont.) Data validation Debugging Case Logic Lab 4
5 Sep 21	Chapter 5 Menus, Common Dialog Boxes, and Procedures (Functions & SubProcedures) Chapter 6 Multiform Projects Lab 5
6 Sep 28	Chapter 7 List & ComboBoxes Chapter 11 Data files & file structures Lab 6
7 Oct 05	Chapter 8 Arrays Lab 7
8 Oct 12	Midterm Exam (Chapters 1 - 8)

Week	Assignment
9 Oct 19	Chapter 9 Visual Web Developer Lab 8
10 Oct 26	Chapter 10 Accessing Database Files Database terminology XML Data Display database record data Binding controls Binding source Table adapter Datasets SQL DataGridView control Components tray .Fill statement Smart Tags Database Schema Files Bound Textbox controls Lab 9
11 Nov 02	Chapter 10 Database (cont.) Updating with bound controls Database Programs for the Web Lab 10
12/13 Nov 09	Chapter 12 OOP: Creating Object-Oriented Programs Terminology Inheritance Lab 11
14 Nov 23	Chapter 13 Graphics, Animation, Sound, and Drag-and-Drop Lab 12
15 Nov 30	Review Hangman Game (extra credit) due Please note that our final week ends on Friday Dec. 11
16 Dec 07	Final Exam (Chapters 9, 10, 12, and 13) Please note that this week ends on Friday Dec. 11

NOTE: *The above schedule is subject to change as necessary.*