



# The Islamia University Bahawalpur

Rahim Yar Khan Campus

Department: Statistics

Class: M.Sc: Statistics

Semester: 3<sup>rd</sup>

Season:2019 -2021

Instructor	Zartashia Zia	E-Mail: <a href="mailto:zartashia_zia@yahoo.com">zartashia_zia@yahoo.com</a>	
Course Title	Data Processing and Computer programming	Program	M.Sc
Course Number	STAT-21303	Credit Hours	2+1
Lecture Timings	Monday : 10:00 – 11:30 Wednesday: 8:30 – 10:00		
<b><u>Course Objective:</u></b> The course will cover concepts of Data Processing and Computer programming visual Basic.			

## Course Outline

### Teaching Methodology:

1. The class will be conducted in a lecture, discussion environment where the class instructor will lead discussions and students will be encouraged to participate and ask question at the end of each class session.
2. Students are expected to read the topic of the day in advance which will be told a day before by the instructor.

### **Tentative Study Plan for the Semester**

Week	Contents
<b>Mid Term</b>	
1	Data & Information
	Data Processing and types
2	Programming and programming languages
	Programming languages types
3	Concept of programming language, What is visual basic and its History
	Lab Practice
4	Versions of visual Basic
	Advantages and disadvantages of visual basic
5	Programs
	Lab. practice
6	Visual basic IDE, steps in developing in V.B application
	Standard EXE project
7	Components of V.B IDE
	Tool Bar description
8	Menu Bar and its description, Tool Bar Icons
	Lab Practice
<b>Final Term</b>	
9	Common object properties about V.B
	V.B Extension and its description
10	Lab. practice
	Naming a project, saving a project
11	Executing a project & stopping a project
	Basic component of form
12	Changing Form properties
	Lab. practice
13	Variables, Types of variables
	Debbuging
14	Expression, Arithmetic expression
	Relational Expression & Logical Expression
15	Control Structure
	Types of control structure
16	Quiz
	Lab. practice

**Please Note:** Each session consists of the number of lectures delivered in a weak. Any random absence by the instructor, the material to be covered during that class will be shifted to the next class meeting. In case of any necessary planned absence, information on schedule changes will be provided in advance.

**Appointment with Instructor:**

1. Instructor will be available for meeting class students immediately before & after each class for 15 minutes. However this time after the class may be extended if necessary.
2. Any other problem pertaining with the study, any student may contact on contact number mentioned above.
3. STAT-21303 Data Processing and Computer Programming Visual Basic

**Books Recommended**

1. Let US C by V. Kanetkar.
2. Visual Basic in 21 days.
3. International Student Edition, The C++ programming Language III-edition, by Bjarne Stroustrup.  
Mastering VB 6.0 Development.