



Code	Subject Title	Cr. Hrs	Semester
COMP-203	Computer-IV	3	IV
Year	Discipline		
2	Statistics-II, Islamic Education		

1. **Visual Programming:**
  - a. Visual components of VB IDE
  - b. Interpreter and compiler
  - c. VB Project
  - d. Logical and syntax errors
2. **Forms**
  - a. Components of forms
  - b. Events and methods
  - c. VB MDI
3. **VB Basics**
  - a. Data and data types
  - b. Variables
  - c. Operators
  - d. Build-in functions
4. **Input and Output**
  - a. Dialog and output
  - b. Message Box
  - c. Modality
5. **Arrays**
  - a. Types of arrays
  - b. Declaring arrays
  - c. Entering data in arrays
  - d. Multi dimensional array
6. **Control Statements**
  - a. Types of Control Statement s
  - b. Go to statement, if then, if then else; nested if, seek structure
  - c. Loop structure
  - d. Do while until loops
  - e. Do while until loops
  - f. Nested loops
7. **Basic Actives Controls**
  - a. Introduction of controls
  - b. Command button, label control, the timer, text box, check boxes, option buttons, frames, list box control, combo box control, scroll bar control, file controls
8. **Database programming**

**Recommended Books:**

1. Mastering VB by BOP publication, Aikman series VB Program