



NEAR EAST UNIVERSITY

FACULTY OF ECONOMICS AND ADMINISTRATIVE SCIENCES

DEPARTMENT OF COMPUTER INFORMATION SYSTEMS

CIS 352 – Course Notes

(Programming Language III)

Textbook: Zak, Diane, Clearly Visual Basic: Programming with Microsoft Visual Basic 2012, Third Edition, Cengage Learning, 2014, ISBN 978-1-285-08410-7.

Specific topic coverage includes:

- Chapter 1: I Am Not A Control Freak! (Control Structures)
- Chapter 2: First You Need to Plan the Party (Problem-Solving Process)
- Chapter 3: I Need A Tour Guide (Introduction to Visual Basic 2012)
- Chapter 4: Do-It-Yourself Designing (Designing Interfaces)
- Chapter 5: The Secret Code (Assignment Statements)
- Chapter 6: Where Can I Store This? (Variables and Constants)
- Chapter 7: What's Wrong With It? (Syntax, Logic, and Run Time Errors)
- Chapter 8: Decisions, Decisions, Decisions (Selection Structure)
- Chapter 9: Time to Leave the Nest (Nested Selection Structures)
- Chapter 10: So Many Paths...So Little Time (Multiple-Alternative Selection Structures)
- Chapter 11: Testing, Testing...1, 2, 3 (Selecting Test Data)
- Chapter 12: How Long Can This Go On? (Pretest Loops)
- Chapter 13: Do It, Then Ask Permission (Posttest Loops)
- Chapter 14: Let Me Count the Ways (Counter-Controlled Loops)
- Chapter 15: I'm on the Inside; You're on the Outside (Nested Loops)
- Chapter 16: I Hear You Are Breaking Up (Sub Procedures)
- Chapter 17: Talk to Me (Function Procedures)
- Chapter 18: A Ray of Sunshine (One-Dimensional Arrays)
- Chapter 19: Parallel and Dynamic Universes (More on One-Dimensional Arrays)
- Chapter 20: Table Tennis, Anyone? (Two-Dimensional Arrays)
- Chapter 21: Building Your Own Structure (Structures)
- Chapter 22: I'm Saving for the Future (Sequential Access Files)
- Chapter 23: The String Section (String Manipulation)
- Chapter 24: I'm Suffering from Information Overload (Access Databases)
- Chapter 25: The Missing "LINQ" (Querying a Database)
- Chapter 26: I Love This Class (Creating a Class)
- Chapter 27: Getting "Web-ified" (Web Applications)