

Bemidji State University

BUAD 3382: Business Application Development

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: *.*

Lab Hours/Week: *.*

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

Advanced business application computer programming with emphasis on the highly structured design techniques used by industry. Interactive concepts are integrated within table processing, file processing, and web E-Commerce processing using Micro Focus, Visual Basic, or other similar tool. Prerequisites: BUAD 2280 or consent of instructor.

B. COURSE EFFECTIVE DATES: 08/24/2015 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Computer Programming and Algorithm
2. Adding codes and Event Handler
3. Variables and Arithmetic
4. Algorithms, Pseudocode, and Program Control (If; Then; Else)
5. CheckBoxes and Message Dialogs
6. Repetition statements
7. Multiple Selection statement
8. Function Procedures and Sub Procedures
9. Using Dates and Timers
10. Intro to Computers, Visual Basic and VB Integrated Development Environment (IDE)
11. Intro to Visual App Development
12. Using TextBoxes and Buttons
13. Scope, Pass-by-Reference and Option Strict
14. Random-Number Generation
15. One-Dimensional Arrays and ComboBoxes
16. Two-Dimensional Arrays and RadioButtons
17. Building Your Own Classes and Objects
18. String Processing
19. Reading from and writing to a File
20. Databases and LINQ
21. Web App Development with ASP.NET

D. LEARNING OUTCOMES (General)

1. be able to use one of the high-level programming languages for writing program (DSLO#2,3).
2. be able to use integrated development environment (IDE) (DSLO#2,3).
3. be able to develop Interactive Applications (DSLO#4).
4. be able to develop business applications using one of the high-level programming languages (DSLO#2).
5. be able analyze and generate solution for business problems (DSLO#5).

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted