Course

PROG1017G – Introduction to Programming

Unit

Introduction to Visual Studio Integrated Development Environment (IDE)

Goal

To introduce students to the VS IDE in order to begin building software applications using C#.

Objectives

Upon completion of this unit, the student will be able to:

- Create new windows forms application projects in Visual Studio
- Understand the folder structure of a project what files are included
- Create, modify and delete forms in a project
- Understand the difference between the designer view and code view of a form
- Add controls to the form from the toolbox
- Know what the solution explorer and properties window are
- Dock and undock windows in the IDE

Evaluation

Students will be assessed on term test # 1.

Time Frame

1.5 – 2 Hours

DATE: 9/5/2018 10:30 – 12:20	LESSON NO. 2	
COURSE PROG1017G		
INSTRUCTOR Stephen Carter		

SUBJECT OF LESSON

Introduction to the Visual Studio 2017 IDE.

INSTRUCTIONAL AIDS, MATERIALS, OR TOOLS NEEDED

Visual Studio Community 2017

RESOURCES/READINGS

1. IDE Tour Video (Posted on Brightspace)
2. How to create a new Project Video(Posted on Brightspace)
3. How to change default location Video (Posted on Brightspace)
4. VS Folder Structure Video (Posted on Brightspace)

LESSON OUTLINE

1. Open with a few programming memes. (5 min)

2. Ask if anyone has any previous programming experience, and if they would like to share it with class. Also discuss if anyone is feeling intimidated by programming (I did this last year to the non-programming students that had to take the course – found it helpful) (10 min)

3. Build a "Hello World" application together – gets students interested in programming. Fun and eases any intimidation students may feel (30 min)

4. Break (10 min)

5. Give a tour of the IDE. Have students follow along with me as I go through it. (20 min)

6. Assign "IDE Tour exercise" (pdf posted to Brightspace). Allow students to begin working on it as walk around assisting and answering questions. (15 min)

7. Close by discussing current comfort level after lesson (found that last year students were more excited about the course at the end of this topic) (5 min)

ASSIGNMENT

"IDE Tour Exercise" – Due 9/6/2018

NOTES

I find this is a good lesson to generate interest in the course and ease any worries students (the Network students) have about the course.