Education plan

2. semester IT Fall 2017

Lesson 1- 6

**Get going.**

Hello Class who are you who am I.

 Intro the subject “Programming”.

 Installation of a C# compiler.

Types, Variables.

Data types and sizes.

Variables and Constants.

Declarations.

 Make your first program.

 Input and output.

 Textbox, listbox, combobox, button.

 Reading and writing to a file.

Lesson 7 - 12

 **Operators and Expressions.**

Arithmetic operators.

Relational and logical operators.

Increment and decrement operators.

Bitwise operators.

 Operators and Expressions.

Flow control.

Statements and Blocks.

 If – else.

Switch.

While, do-while and for.

Break and continue.

Lesson 13 - 18

**Functions and Program Structure**

Functions.

Parmeters.

Returning parameters.

Scope of variables.

 Header files.

 Static and dynamic variables.

Lesson 19 - 24

 **Array, Struct and List.**

 Arrays one dimensional.

 Arrays multi dimensional.

How to declare and use arrays

What is a Structure.

How to use structs

What is a List compared to a array

The use of a List

Lesson 25 - 30

**Try to make a project with what we have learned.**

Lesson 31 - 36

 **Install MySQL database (WAMP or XAMP)**

 Intro to programming SQL

Lesson 37 - 42

 **Make a database.**

Lesson 43 – 48

 **Now try to make your own real project.**