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.**