Programming - 16.09.19

* Programming worth ten credits.
* Group A, angiers street floor 1 006/005 B/A respectively.
* Programming class ***MOST IMPORTANT***
* [Aneel.rahim@tudublin.ie](mailto:Aneel.rahim@tudublin.ie)
* Michael.collins@tudublin.ie
* Attendance is key – strong proportion between pass rate and attendance
* Teaching fundamentals of code, rather then individual languages. Logical thinking, design, comments, etc.
* We’ll be doing C (fundamental programming, everything is built up from it)
* Timetables change commonly, check the timetables each night.
* Check Email, Programming professor sends emails regularly.
* C developed in MIT – late seventy’s – C named due to it being the “C” revision of the language.
* No needs for books, literature and tutorials given by professor over Brightspace.
* Course split into two, 50% for exam (this summer) and CA (continuous assessment). You must pass the written exam, even if you do brilliantly in CA.
* Exam itself pass grade is 40%
* Exam will be done in this context “difference between this and that” “I give you a piece of code, find the bugs” “give a command, do this in C” – Does not have to be compliable code, testing fundamentals not syntax.
* Semester one, 2 lab tests. 1 take home assignment.
* Semester 2 \*EXACT\* same
* Assignment is (given document, and requirements) – PRODUCE code based on this.
* Lab tests – 1 hour- solve given problem
* Submit everything via brightspace
* **each lab tests worth 7%, assignment worth 11%**
* ^ Graded out of 100%, grade then converted to percentage of the (% overall)
* Labs Mondays 3 – 5
* Labs work by following PDF doc on brightspace each day
* First lab test in October
* First assignment at the end of October
* €€ the light at the end of the tunnel – high pay, high demand job – world passport
* Computers only understand one or zero – switches
* Compiler converts syntax (code) into one/zero that computer understands
* Borland (C) – Compiler – Only Windows users
* .exe file = executable file (machine code)
* Check for errors = runs converter = .exe created
* ^ proc for compiler
* “On line X there is a missing Y” – will not generate .exe file until syntax errors are repaired, will not stop “logic” bugs.
* **MAKE SURE YOU BACKUP YOUR CODE!**
* Use google drive, it provides versions that you can pull from