C# Fundamentals Course Plan – Chris [ Sunday 5-630pm, Tuesday 230-330pm, Friday 230-330pm]

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| Class | Topics, Labs, Assignments |
| Sun 12Apr20  5-630pm | ~~Setting up Visual studio, walk through of variables, IF statements. Gave hello world assignment.~~ |
| Tue 14Apr20  230-330pm |  |
| Fri 17Apr20  230-330pm |  |
| Sun 20Apr20  5-630pm | ~~Went into detail on StockGrabber. JSON, JSON parsing, functions, Chris now has own API code.~~ |
| Tue 21Apr20  230-330pm | ~~Discussed the StockGrabber Program. Discussion of GitHub, explained repositories, showed how to get other peoples repos. Lots of good stuff.~~ |
| Fri 24Apr20  230-330pm | ~~Review Boolean| parsing of decimal, double and int| Go over HW assignment. Reading assignment of .Net~~ |
| Sun 26Apr20  5-630pm | ~~Hand’s on With VR and computer hardware lecture with beer, pizza, and chicken!~~ |
| Tue 28Apr20  230-330pm | ~~Started on Destination Selector program. We decided this is not the best approach to learning programming at this time.~~ |
| Fri 1May20  230-330pm | ~~LOOPS! For Loop, While Loop, and Do While. HW assignment (use HW2)~~ |
| Sun 3May20  5-630pm | ~~Review HW 2 | Discussed an app idea, discussed requirements gathering and UI mockups. Discussed Xamarin.~~ |
| Tue 5May20  230-330pm | | Show ch2-6 of CSharp of beginners | Explain the DateTime type | HW -> Use HW1 |
| Fri 8May20  230-330pm | Functions! Learn about parameters, void or return functions, value passing. | Review HW2 | Assignment: HW3. |
| Sun 10May20  5-630pm | .Net reading assignment (read handouts -> Programming Lecture 1.docx). | Setting for Circles App… Create tickets, use Jira. |
| Tue 12May20  230-330pm | More on functions. Review Pass by value and Pass by reference. |review HW3 | HW4 (using functions that pass by value vs Reference) |
| Fri 15May20  230-330pm | Learning Arrays! | Arrays Part1 HW | Go over HW4 |
| Sun 17May20  5-630pm | Doing stuff with Arrays in a loop | Arrays Part2 HW | Go over Arrays Part1 |
| Tue 19May20  230-330pm | Nested Loops! | Arrays Part3 HW | Go over Arrays Part2 |
| Fri 22May20  230-330pm | Lists! Life just got easier. | Lists HW |
| Sun 24May20  5-630pm | IO -> let’s mess with some text files! |
| Tue 26May20  230-330pm | More on String! Substrings, split methods, contains, IndexOf, ToCharArray, ToLower/ToUpper, Length, Trim, |
| Fri 29May20  230-330pm | Dictionaries and Hash tables -> (strict type vs generics) |
| Sun 31May20  5-630pm | Stacks and Queues |
| Tue 2Jun20  230-330pm |  |
| Fri 5Jun20  230-330pm | Searching and Sorting |
| Sun 7Jun20  5-630pm |  |
| Tue 9Jun20  230-330pm | Recursion |
| Fri 12Jun20  230-330pm | OOP |
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