

WEEK	Weekly Lesson Plan	Assignment Expected	Assignments Due
1 Ma8 8 - 11	Introduction Course Overview Assessment Document : Mark Breakdown Weekly Lesson Plan with Assignments Due Date Introduction to Course Content Software Installations Introduction to C#		
2 May 15 - 18	Data Security & Data Protection Data Compliance General Data Protection Regulation (GDPR) Health Insurance Portability and Accountability Act (HIPAA) Payment Card Industry Data Security Standard (PCI) Data / Character Encoding Base 2, Base 16 and Base64 Encoding Character Encoding and Conversions with C#		
3 May 22 – 25 May 22 Holiday	Base 2 , Base 16 and Base64 Encoding C# : Working on Assignment -1 Converter C# Binary Converter C# Hexadecimal Converter C# Hexadecimal Converter (For Example) C# Base64 Converter Image Files and Base64 Encoding	Assignment 1 - Data Security, Encoding, Encryption and Privacy	
4 May 29 – June 1	Encryption Decryption / Cryptography C# : Working on Cryptography Data Transmission Network Protocols		Assignment 1
5 June 5 - 8	File Transfer Protocol (FTP) FTP using an FTP Client - Filezilla FTP Communications using the Command Prompt FTP Communications using C# Data Aggregation Lists and Aggregate Functions in C#	Assignment - 2 Data Aggregation and Transmission	
6 June 12 - 15	FTP Communications using C# Hypertext Transfer Protocol (HTTP) HTTP communications with C# Comma Separated Values (CSV) Files Introduction JSON, XML, CSV files		Assignment - 2
7 June 19 - 22	Mid Term Exam	Mid Term Exam	Mid Term Exam
8	No classes - study week.		

June 26 - 30			
9 July 3 - 6	JSON – JavaScript Object Notation JSON Serialization & Deserialization Working With JSON Working with JSON C# XML Serialization & Deserialization Working With XML		
10 July 10 - 13	JavaScript and JSON Access Secure Sites Access Secure Site Using JWT Tokens Charting Tools , Google Charts and JSON Chart.js and JSON Post Final Project and discussions	Assignment - 3	
11 July 17 - 20	Access secure sites Introduction to JWT Build a JWT Token with C# Access Secure sites using JWT Tokens		Assignment - 3
12 July 24 - 27	Build an ASP.NET Core Web Application Set up a basic ASP.NET Core Web Application Implement JWT tokens and acquire data		
13 July 31 – Aug 3	File Types: Text, Image, and Audio File Standards Hidden Messages in Images Final Project – and Discussions		Final Project
14 Aug 7 - 10 Aug 7 Holiday	Final Project Presentation		
15 Aug 14 - 17	Final Project Presentation		