

Module Scheme

Module Name:	Application Programming		
Module Code:	CO453	Academic Year:	2019-20
Tutor(s):	Richard Jones, Nick Day, Carlo Lusuardi		
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Learning Outcomes:

On successful completion of the module, the student will be able to:

1. Analyse a simple requirement in a structured manner in order to establish a strategy to solve the current problem
2. Design, document, implement and test reliable, maintainable programs as solutions to simple problems
3. Use structured techniques of design and implementation and good documentation practice
4. Make effective use of software development tools when implementing fit-for-purpose solutions

Assessment Summary:

<u>Assessment Task</u>	<u>Key Dates</u>	
CW Part A (C# weeks 1-3)	Submission:	W5/U23 (Friday 6 th Mar 2020)
	Feedback due:	W8/U26 (Friday 27 th Mar 2020)
CW Part B (.NET weeks 5-8)	Submission:	W10/U31 (Friday 1 st May 2020)
	Feedback due:	W13/U34 (Friday 22 nd May 2020)
CW Part C (.NET weeks 10-12)	Submission:	W14/U35 (Friday 29 th May 2020)
	Feedback due:	W17/U38 (Friday 14 th June 2020)

Week by Week Guide:	
Week 19: beginning 03/02/2020	C# Console 4 – Methods and Parameters
Week 20: beginning 10/02/2020	C# Console 5 – Arrays
Week 21: beginning 17/02/2020	C# Console 6 – SPS Project
Week 22: beginning 24/02/2020	Workshop week
Week 23: beginning 02/03/2020	.NET 1 – Introduction to .NET, Basic Controls, and Splash Screens [Submission of CW Part A on Friday 6th March 2020]
Week 24: beginning 09/03/2020	.NET 2 – SPS Project (Forms)
Week 25: beginning 16/03/2020	.NET 3 – Misc. Controls
Week 26: beginning 23/03/2020	.NET 4 – Multi-form projects
Week 27: Beginning 30/04/2020	Workshop week
Week 28-30	EASTER VACATION
Week 31: Beginning 27/04/2020	.NET 5 - Animation [Submission of CW Part B on Friday 1st May 2020]
Week 32: Beginning 04/05/2020	(Bank Holiday: 04 May) .NET 6 – Graphics
Week 33: beginning 11/05/2020	.NET 7 – Etch-a-Sketch Project
Week 34: beginning 18/05/2020	Workshop Week
Week 35: Beginning 25/05/2020	(Bank Holiday: 25 May) Assessment Period Examinations [Submission of CW Part C on Friday 29th May 2020]
Week 36: Beginning 01/06/2020	Assessment Period Examinations

Core Text(s):

Students are not required to have a specific programming book for this module, as we will be teaching from our own materials in class. However, if students should want to read further or are looking for books to help their understanding, we recommend:

Iducate Learning Technologies (2011). *Beginning C# programming* (First Edition); CreateSpace

Bradley JC and Millspaugh A (2009). *Programming in Visual C#* (Third Edition); McGraw-Hill

Anderson, T (2004). *C# in easy steps* (First Edition); In Easy Steps Limited

Deitel P and Deitel H (2013). *Visual C# 2012 How to Program* (Fifth Edition); Prentice Hall