School of Business, Computing and Law

Module Scheme

Module Name:	Application Programming		
Module Code:	CO453	Academic Year:	2018-19
Tutor(s):	Richard Jones, Nick Day, Carlo Lusuardi		
Tutor's Email:	richard.jones@bucks.ac.uk nicholas.day@bucks.ac.uk carlo.lusuardi@bucks.ac.uk	Tutor's Telephone:	RJ: 4330 CL: 3222

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:

Assessment Task	Key Dates	
CW Part A (C# weeks 1-3)	Submission:	W5/U23 (4th Mar 2019)
	Feedback due:	W8/U26 (25th Mar 2019)
CW Part B (.NET weeks 5-8)	Submission:	W10/U31 (29th April 2019)
	Feedback due:	W13/U34 (20th May 2019)
CW Part C (.NET weeks 10-12)	Submission:	W14/U35 (27th May 2019)
	Feedback due:	W17/U38 (17th June 2019)

Week by Week Guide:	
Week 19: beginning 04/02/2019	C# Console 4 – **Methods and Parameters**
Week 20: beginning 11/02/2019	C# Console 5 – **Arrays**
Week 21: beginning 18/02/2019	C# Console 6 – **SPS Project**
Week 22: beginning 25/02/2019	**Workshop week**
Week 23: beginning 04/03/2019	.NET 1 – **Introduction to .NET, Basic Controls, and Splash Screens** [Submission of CW Part A on Monday 4th March 2019]
Week 24: beginning 11/03/2019	.NET 2 – **SPS Project (Forms)**
Week 25: beginning 18/03/2019	.NET 3 – **Misc. Controls**
Week 26: beginning 25/03/2019	.NET 4 – **Multi-form projects**
Week 27: Beginning 01/04/2019	**Workshop week**
Week 28-30	**EASTER VACATION**
Week 31: Beginning 29/04/2019	.NET 5 - **Animation** [Submission of CW Part B on Monday 29th April 2019]
Week 32: Beginning 06/05/2019	**(Bank Holiday: 06 May)** .NET 6 – **Graphics**
Week 33: beginning 13/05/2019	.NET 7 – **Etch-a-Sketch Project**
Week 34: beginning 20/05/2019	**Workshop Week**
Week 35: Beginning 27/05/2019	**(Bank Holiday: 27 May)** Assessment Period **Examinations** [Submission of CW Part C on Monday 27th May 2019]
Week 36: Beginning 03/06/2019	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