

COORDINATION FORM & TEACHING PLAN

A. Trimester: 1 (2019/20)

B. COURSE INFORMATION

1.	Name of Course/Module	COMPUTER PROGRAMMING
2.	Course Code	TCP1121
3.	Name of Course Coordinator(s)	KHOH WEE HOW
4.	Date of Meeting	
5.	Venue of Meeting	

C. LIST OF TEACHING STAFF CONTACT DETAILS:

Name	Room Number	Email Address	Tel. No.	Signature	Date
Mr. KHOH WEE HOW	MNAR1012	whkhoh@mmu.edu.my	06-2523381		
Mr. ALI AFZALIAN MAND	MNAR1015	ali.afzalian@mmu.edu.my	06-2523733		
Dr. PANG YING HAN	MNAR0003	yhpang@mmu.edu.my	06-2523193		
Ms. HO YEAN LI	MNAR2016	ylho@mmu.edu.my	06-2523077		

D. COURSE LEARNING OUTCOMES

LO	COURSE LEARNING OUTCOMES	Domain	Level
1	Identify basic structures of a high level programming language.	Cognitive	1
2	Demonstrate the implementation of object oriented programming concepts.	Cognitive	3
3	Construct program in a high level programming language.	Psychomotor	4

E. ASSESSMENT METHODS

Assessment	Percentage
Lab Test	20%
Quiz	20%
Assignment	20%
Final Examination	40%

F. MAPPING OF ASSESSMENT TO LO

No.	Assessment Components	LO1	LO2	LO3
1.	Lab Test	25	25	
2.	Quiz	25	25	
3.	Assignment	25	25	100
4.	Final Examination	25	25	

G. Details of Assessment Components

Assessment component	Details of topic coverage	Format	Total marks	Weight
Lab Test	<ul style="list-style-type: none">• Topic 1 to 4	<ul style="list-style-type: none">• 5 Questions	20	20
Quiz	<ul style="list-style-type: none">• Quiz 1: C++ Fundamentals• Quiz 2: Array and Pointers• Quiz 3: Functions• Quiz 4: Classes and Inheritance and Polymorphism• Quiz 5: All	<ul style="list-style-type: none">• 3 written quizzes (12%)• 2 online quizzes (8%)	20	20
Assignment	<ul style="list-style-type: none">• Topic 1 to 8 <p>Students are required to develop a simple program in C++ by proposing a title to respective lecturer(s). At the end of the trimester, students are required to submit the program in softcopy (burn into CD/DVD) as well as documentation.</p>	<ul style="list-style-type: none">• Softcopy and hardcopy	20	20
Final Examination	<ul style="list-style-type: none">• Topic 1 to 7	<ul style="list-style-type: none">• Written Examination• 4 structure questions	40	40

H. READING MATERIALS

Textbook	Walter Savitch, Kenrick Mock (2018). Problem Solving with C++ (10th ed.).
Reference Book	<ol style="list-style-type: none">1. Tony Gaddis, Judy Walters, Godfrey Muganda. (2011). Starting out with C++: Early Objects (7th ed.). Addison Wesley.2. Paul Deitel, Harvey Deitel. (2011). C++ How to Program (8th ed.). Prentice Hall.3. Y. Daniel Liang. (2013). Introduction to Programming with C++ (3rd ed.). Prentice Hall.

I. LESSON PLAN

WE EK	DATE	TOPICS	Activities (Hours)				REMARKS (Class Replacement/ Public Holiday)
			E- Learning	Lectu re	Tutor ial	La b	
1.	1 July 19 – 7 July 19	Topic 1: C++ Fundamentals (Part 1)	-	3	-	-	
2.	8 July 19 – 14 July 19	Topic 1: C++ Fundamentals (Part 2)	-	3	-	2	
3.	15 July 19 – 21 July 19	Topic 2: Arrays and Pointers (Part 1)	Video Clip for Arrays	3	-	2	Written Quiz 1
4.	22 July 19 – 28 July 19	Topic 2: Arrays and Pointers (Part 2)	Video Clip for Pointer	3	-	2	Project Title Registration
5.	29 July 19 – 4 Aug 19	Topic 3: Functions (Part 1)	-	3	-	2	Written Quiz 2
6.	5 Aug 19 – 11 Aug 19	Topic 3: Functions (Part 2)	Video Clip for functions	3	-	2	11 Aug (Sun) – Aidil Adha
7.	12 Aug 19 – 18 Aug 19	Topic 4: Defining Classes (Part 1)	-	3	-	2	12 Aug (Mon) – Aidil Adha (Replacement) Written Quiz 3
8.	19 Aug 19 – 25 Aug 19	Topic 4: Defining Classes (Part 2)	Video Clip for classes	3	-	2	
9.	26 Aug 19 – 1 Sept 19	Topic 5: Dynamic Memory Allocation	-	3	-	2	31 Aug (Sat) – National Day 1 Sept (Sun) – Awal Muharram

10.	2 Sept 19 – 8 Sept 19	Topic 5: Dynamic Memory Allocation – Cont. Topic 6: Inheritance and Polymorphism (Part 1)	-	1 2	-	2	2 Sept (Mon) – Awal Muharram (Replacement)
11.	9 Sept 19 – 15 Sept 19	Topic 6: Inheritance and Polymorphism (Part 1) – Cont. Topic 6: Inheritance and Polymorphism (Part 2)	1 (Online quiz)	1 2	-	2	9 Sept (Mon) – Yang Dipertuan Agong's Birthday Online Quiz 4
12.	16 Sept 19 – 22 Sept 19	Topic 6: Inheritance and Polymorphism (Part 2) – Cont. Topic 7: Advanced Topic	Video Clip for Inheritance and Polymorphism	1 2	-	2	16 Sept (Mon) – Malaysia Day Lab Test – 18 Sept 2019
13.	23 Sept 19 – 29 Sept 19	Topic 7: Advanced Topic – Cont. Topic 8: File Handling	1 (Online quiz)	2 1	-	2	Online Quiz 5 Assignment Submission (23 Sept 19, Before 3pm)
14.	30 Sept 19 – 6 Oct 19	Topic 8: File Handling – Cont. <i>Assignment Presentation</i>	-	1	-	2 2	Assignment Presentation