





University : Shatt Al Arab University  
 Faculty: Engineering Technologies  
 Department: Computer Technology  
 Engineering Stage: Second  
 Triple Name : Muhannnd Kareim Abd  
 Scientific Title : Assistant Lecturer  
 Qualification :  
 Work Location: Shatt Al Arab  
 University

Week	Date	Topics Covered	Number of Hours
1	2024/9/21	Introduction to C++ programming environment and basic syntax.	2lab 2luc
2	2024/9/28	Implementing simple classes and objects.	2lab 2luc
3	2024/10/5	Experimenting with inheritance and polymorphism in C++.	2lab 2luc
4	2024/10/12	Implementing data abstraction and encapsulation.	2lab 2luc
5	2024/10/19	Problem-solving exercise using object-oriented design principles and patterns.	2lab 2luc
6	2024/10/26	Utilizing C++ libraries and frameworks for application development.	2lab 2luc
7	2024/11/2	<b>Midterm Exam (No lab session).</b>	2lab 2luc
8	2024/11/9	Implementing exception handling techniques in C++.	2lab 2luc
9	2024/11/16	Testing and debugging strategies for object-oriented programs.	2lab 2luc
10	2024/11/23	Profiling and performance analysis of C++ programs.	2lab 2luc
11	2024/11/30	Code optimization techniques for object-oriented programming.	2lab 2luc
12	2024/12/7	Collaborative programming exercise utilizing version control systems.	2lab 2luc
13	2024/12/14	Implementing advanced data structures using object-oriented techniques..	2lab 2luc
14	2024/12/21	Project work and application development using object-oriented concepts.	2lab 2luc

<b>15</b>	<b>2024/12/28</b>	review and practice exercises, Preparatory for Final Exam.	<b>2lab 2luc</b>
<b>16</b>	<b>2025/1/4</b>	<b>Final Exam (No lab session).</b>	<b>2lab 2luc</b>

**Lecturer signature**

**Head of Department Signature**