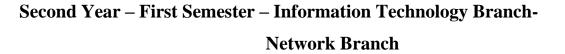
## **University of Technology**

## **Computer Engineering Department**

## Academic Year 2023 - 2024





CE233	<b>Object Oriented Programming</b>	2 Hours/Week	2 Units
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Contents of Syllabus	
<ul> <li>Overview of "Programming Fundamentals" module:</li> <li>Pointers + functions</li> </ul>	
Principles of object oriented programming including classes	
Introduction to Object-Oriented Paradigm:Structures	
Classes: Class Definition;     Accessing Data Members     and Member Functions.	2
<ul> <li>Constructors and Destructors.</li> <li>Constant Objects and</li> <li>Constant Member Functions.</li> </ul>	
<ul> <li>Friend Functions and Friend Classes</li> </ul>	
<ul> <li>Templates: Function Templates</li> <li>Class Templates</li> </ul>	4
<ul> <li>Inheritance: Base Class and Derived Class</li> <li>Using Member Functions;</li> <li>Overriding Base Class</li> <li>Members in a Derived Class</li> <li>Public, Private, and</li> <li>Protected Inheritance</li> </ul>	6
Virtual Functions,     Polymorphism, and	2
Overloading     Operator Overloading	2

## References

- 1. Object Oriented Programming with C++ by E Balagurusamy, fourth Edition 2008, published by Tata McGraw –Hill.
- 2. Object Oriented Programming in C++ by Robert Lafore ,fourth Edition ,sams pub,2002

اسم التدريسي: م.م زينب محمود فاضل