

Ministry of Higher Education & Scientific Research

University of Anbar

College of Computer Science
and Information Technology

Computer Networks Systems Department



كَلِيَّةُ عُلُومِ الْحَاسِبِ وَتِكْنُولُوجِيَا الْمَعْلُومَاتِ

وَزَارَةُ التَّعْلِيمِ الْعَالِيِّ وَالْبَحْثِ الْعِلْمِيِّ

جَامِعَةُ الْأَنْبَارِ

كَلِيَّةُ عُلُومِ الْحَاسِبِ وَتِكْنُولُوجِيَا الْمَعْلُومَاتِ

قِسْمُ أَنْظِمَةِ شَبَكَاتِ الْحَاسِبِ

Department of Computer Networks Systems

Course Description Form

Course Title: Object Oriented Program 1

Course Code:

Semester: I

Level: B.Sc.

Class: Second

Academic Year: 2022/2021

Course Instructor: Dr. Sumaya Abdulla Hamad

Academic status: Instructor

Place of work: College of Computer Science/ Computer Networks
System Department

Credit Hours: Seven (7)

Instructor Office Hours: Ten (10)

E-mail (Official): sumayah.hamad@uoanbar.edu.iq

Mobile Number: 07807987722

Ministry of Higher Education & Scientific Research

University of Anbar

College of Computer Science
and Information Technology

Computer Networks Systems Department



كلية علوم الحاسوب وتكنولوجيا المعلومات

وَزَارَةُ التَّعْلِيمِ الْعَالِيِّ وَالْبَحْثِ الْعِلْمِيِّ

جَامِعَةُ الْأَنْبَارِ

كُلِيَّةُ عُلُومِ الْحَاسِبِ وَتِكْنُولُجِيَا الْمَعْلُومَاتِ

قِسْمُ أَنْظِمَةِ شَبَكَاتِ الْحَاسِبِ

Lecture Schedule:

Weeks	Topics
Week 1	Python Fundamental: Introduction, Variables, Comments, Python Data Types
Week 2	Python Fundamental: Operators, Python Conditions and If statements, Python Loops
Week 3	Python Fundamental: Functions, Arrays
Week 4	Python - Object Oriented Programming: Introduction to Class Fundamentals
Week 5	Python - Object Oriented Programming: Closer Look at Class Member Access
Week 6	Python - Object Oriented Programming: Constructors and Destructors
Week 7	Python - Object Oriented Programming: Creating Inline Functions Inside a Class (Lambda)
Week 8	Python - Object Oriented Programming: Arrays of Objects (Classes)
Midterm Exam	
Week 9	Python - Object Oriented Programming: Pointers to Objects (Classes)
Week 10	Python - Object Oriented Programming: Friend Functions
Week 11	Python - Object Oriented Programming: Overloading Constructors
Week 12	Python - Object Oriented Programming: Passing Objects (Classes) to Functions
Week 13	Python - Object Oriented Programming: Returning Objects (classes) From Functions
Week 14	Python - Object Oriented Programming: Extra Examples
Week 15	Python - Object Oriented Programming: Final Exam