



Course Plan

Course No.: 54451143

Time Division: 8hr Practical

Course Name: programming topics in computer science(2)

Semester & Year: First, 2022 / 2023

Course Website: <https://uomustansiriyah.edu.iq/e-learn/profile.php?id=898>

Course Description:

This course is designed to teach students how to write a code in C++ language. Supposedly, students in class do not have any computer background skills and the aim of this course is to have them learn some basic skills including (but not limited to): understanding the number systems, algorithms, logic statements, loops and functions. Students are expected to work inside and outside the class and I am responsible to support and hold them accountable, responsible as well as to encourage them learning on their own. Practical lessons are given in the computer lab for actual learning and gaining experience

Course Intended Outcomes:

Students are expected to understand how to think logically and to analyze problems in term of programming by applying what they have learned in the class or the lab using C++ language.

Course Outline:

Week	Description depends on the Timing table (Theoretical & Practical)
1	C++ void sentences
2	C++ continue statement
3	Arrays and multidimensional arrays in C++
4	Matrices in C++
5	C++ pointers
6	Recursion in C++
7	C++ switch statement
8	C++files
9	C++files creating
10	C++files reading
11	C++files deleting
12	C++files writing and editing
13	Solving linear equations in C++
14	Several examples and applications in C++
15	Exam

Textbooks:

- [1]: C++ Lecture Notes by Francois Fleuret.
[2]: Course notes Standard C++ programming by Virginie F. Ruiz

Suggested references:

- [1]: www.javatpoint.com
[2]: www.tutorialspoint.com
[3]: www.programiz.com

Marking:

First Semester				Final Exam
1st exam	2nd exam	Practical	Activity	
14	14	2	10	60

Assignment/ Project	Description	Due Date	Marking
test	written exam	23/10/2022	3
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Instructor(s) information [معلومات الأستاذ]

Section: (Mathematics) ; Lecture Room: [204] ; Office No.: (11)

Instructor's Name: Dr.Zainab Mohammed Alwan

E-Mail: lionwight_2009@uomustansiriyah.edu.iq

Office Hours:

Tuesday: [8:30– 10:30]

Tuesday: [10:30– 11:50]

NOTES:

- Office Hour: Other office hours are available by appointment.
- The content of this syllabus not be changed during the current semester.



Lecturer Signature

c.c.c. 1/1/2022



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