

SYLLABUS

Field: science and technology

Sector: Automatic

Specialty: Automatic

Semester: 1

University year: 2023/2024

Identification of the teaching subject

Title: Computing 1

Teaching unit: UEM 1.1

Number of Credits: 4

Coefficient : 2

Weekly hourly volume:

- Courses (number of hours per week): 1h30
- Practical work (number of hours per week): 1h30

Head of the teaching subject

Name, First name, degree: Dr. Samira LAGRINI

Office location (Block, Office): Labged Laboratory

Email : lagrni@labged.net

Course time: - Monday: 9:45 a.m. - 11:15 a.m.,

- Wednesday 11:30 a.m. - 3:30 p.m.

Description of the teaching subject

Prerequisites: Basic notions of Web technology.

Purpose of the teaching subject

- Learn C Programming Language

Learning objectives

- Have a knowledge about Computer Hardware and Software
- Learn C Programming Language

Content of the teaching subject

- **Chapter 1:** Focuses on computing evolution from 1642 to today.
- **Chapter 2 :** Presents computer coding systems.
- **Chapter 3 :** Devoted to the study of computer hardware and software.
- **Chapter 4 :** Presents basic notions of algorithms and programs written in C language.
- **Chapter 5 :** Introduces C programming language basics.
- **Chapter 6 :** dedicated to the study of operators in C, including simple operators, relational operators, logical operators, arithmetic operations as well as operator precedence.
- **Chapter 7 :** Introduces control statement in C , including conditional control and Loop statements

Evaluation methods

Type of control	Weighting in %
Exam	60%
Practical work	40%
Total	100%

References and Bibliography

Textbook		
Title	Author	Editor and year of publication
Introduction aux systèmes informatiques Architectures, composants, prise en main	Jacques Lonchamp	Collection Info Sup, Dunod. 2017
programmer en langage C cours et exercice corrigés	Claude delannoy	EYROLLES , 2009
Support references		
Title	Author	Editor and year of publication
Le langage C	Aitken, Peter et Jones, Bradley	Pearson Education France 2008

Course schedule

Week	Course Title	Date
1	Syllabus	25/09/2023
2	Chapter 1 : computing evolution	02/10/2023
3	Chapter 2 : Information coding systems	09/10/2023
4	Chapter 2 : Information coding systems	16/10/2023
5	Chapter 2 : Information coding systems	23/10/2023
6	Chapter 3 : Computer architecture	30/10/2023
7	Chapter 3 : Computer architecture	6/11/2023
8	Chapter 4 : algorithm and program basic notions	13/11/2023
9	Chapter 5 : C programming language basics	20/11/2023
10	Chapter 5 : C programming language basics	27/11/2023
11	Chapter 6 : Operators in C	04/12/2023
12	Chapter 7 : control statement in C	11/12/2023
13	Chapter 7 : control statement in C	18/12/2023
	First semester exam	