

Computer Sciences

ECTS : 3

Volume horaire : 24

Description du contenu de l'enseignement :

1. Introduction: algorithms and programs
2. Values, types and variables
3. Assignment and expression
4. Reading instruction
5. Program structure: Decision making
6. Program structure: Loops
7. Functions
8. Consolidation week
9. Writing own functions
10. String and String methods
11. List: Creation, access and traversal
12. List: Operators and methods
13. Character strings and lists in function
14. Files

Compétence à acquérir :

Introduce computational logic and programming syntax Explore various ways of writing a program solution for a given problem statement Develop the essential technological background for students' work life.

Mode de contrôle des connaissances :

Midterm Examination : 50%

Final Examination : 50%

Bibliographie, lectures recommandées :

Core Sources

1. Excel 2019 Power Programming with VBA by [Michael Alexander](#) (Author), [Dick Kusleika](#) (Author)
2. <https://support.office.com/>

Supplementary and Secondary Sources

1. <https://www.excel-easy.com/vba.html>
2. <https://www.homeandlearn.org/>