Content

Course Code	Course Name	Semester	Theory	Practice	Lab	Credit	ECTS
MAT132	Computer Programing II	2	1	1	1	3	3

Prerequisites	
Admission Requirements	

Language of Instruction	French
Course Type	Compulsory
Course Level	Bachelor Degree
Objective	This course aims to introduce students to the advanced features of the Python programming language and provide them with the necessary tools to apply it to real-world problems.
Content	1. Object Oriented Programming 2. Object Oriented Programming (Advanced Topics) 3. Error Management 4. File Operations 5. Working with Databases 6. Web Scraping and API Usage 7. Libraries / Bundles 7.1. Math 7.2. Datetime 7.3. Matplotlib 7.4. Requests 7.5. BeautifulSoup
References	W3Schools - Python Tutorial freeCodeCamp - Python Course Python for Everybody (Coursera)

Theory Topics

Week	Weekly Contents
1	Object Oriented Programming
2	Object Oriented Programming
3	Object Oriented Programming
4	Object Oriented Programming (Advanced Topics)
5	Object Oriented Programming (Advanced Topics)
6	Error Management
7	File Operations
8	Midterm
9	Working with Databases
10	Working with Databases
11	Web Scraping and API Usage
12	Libraries
13	Libraries
14	Libraries