

Course Code	Course Name	Semester	Theory	Practice	Lab	Credit	ECTS
MAT132	Computer Programming II	2	1	1	1	3	3
Prerequisites							
Admission Requirements							
Language of Instruction	French						
Course Type	Compulsory						
Course Level	Bachelor Degree						
Objective	<p>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.</p> <ol style="list-style-type: none"> 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 						
Content	<ol style="list-style-type: none"> 7. Libraries / Bundles <ol style="list-style-type: none"> 7.1. Math 7.2. Datetime 7.3. Matplotlib 7.4. Requests 7.5. BeautifulSoup 						
References	<p>W3Schools - Python Tutorial freeCodeCamp - Python Course Python for Everybody (Coursera)</p>						

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