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	I expect you to develop a web application. This can be an original idea, or it can be an improved version of an existing idea by adding meaningful value to it. Project requirements: The web application must be responsive (it should display properly on all devices). Use at least one external service (for example: fetching cryptocurrency price data from CoinGecko). Use at least three libraries (which will be necessary anyway). Implement authentication (login, sign up, password reset, forgot password, updating profile information, etc.).
References	

Theory Topics

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