Università degli Studi di Napoli Parthenope
iOS Foundation Program
in partnership with Apple

CERTIFICATE OF ATTENDANCE

This is to certify that

Lorenzo Guerrini

born on 21/09/1999 at Villaricca (NA) attended the following iOS Foundation Program four week course/s organized by the University of Naples Parthenope in partnership with Apple International on

iOS Essentials from 03/05/2024 to 31/05/2024

with the attached curriculum/a.

iOS Foundation Program Coordinator

Prof Angelo Ciaramella

University "Parthenope" iOS Foundation

Basic Course Syllabus

4 weeks (80 hours)

General Information

Description

The course introduces students to iOS device, and how to design apps for it from a technical and also UI/UX perspective. During the first 3 weeks of the course students learn the coding principle based on SwiftUI, but also UI/UX design and other soft skills

Course Schedule

Week	Topic	Challenges
Week 1	**Interactive Digital Challenge** **Group formation.** **Big Idea.** **iOS introduction.** **IDE XCode & Playground.** **Operators & Control Flow.** **First SwiftUI APP.**	CBL activities on: Big Idea and challenge definition
Week 2	**Collection Types.** **Strings. Optionals.** **Functions. Enumeration.** **Classes & Structs.** **Object Oriented Programing** **Protocols & Closures.** **Combine, MVC.** **Introduction to SwiftUI.** **SwiftUI & working with Text.**	Mini code challenges on each topic

Week	Topic	Challenges
Week 3	**Working with Images.**	Mini code challenges each topic
	Layout User Interface with Stacks.	
	Understanding ScrollView and Building a Carousel UI.	Mini code challenges on applying ML to small specific problems.
	Working with SwiftUI Buttons.	
	Gaming with Spritekit 2d.	**Mid Term Review**
	CoreML.	
	Understanding Dynamic List.	
	Working with Navigation UI and Navigation Bar Customization.	
	Form & MapKit in SwiftUI.	
	TabView.	
Week 4	Coding	
		Presentation review
		Final presentation