



COMILLAS

UNIVERSIDAD PONTIFICIA

ICAI

ICADE

CIHS

GUÍA DOCENTE
2026 - 2027

FICHA TÉCNICA DE LA ASIGNATURA

Datos de la asignatura

Nombre completo	Introduction to Python Programming
Código	DTC-SAP-234
Cuatrimestre	Semestral
Créditos	6,0 ECTS
Carácter	Optativa
Departamento / Área	Departamento de Ciencias de la Computación e Inteligencia Artificial

Datos del profesorado

Profesor

Nombre	Vicente Luque Centeno
Departamento / Área	Departamento de Ciencias de la Computación e Inteligencia Artificial (DCIA)
Correo electrónico	vluque@comillas.edu

DATOS ESPECÍFICOS DE LA ASIGNATURA

Contextualización de la asignatura

Prerrequisitos

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Competencias - Objetivos

Competencias

This course introduces students to the fundamentals of Python programming, covering essential concepts and techniques for effective coding and problem-solving. Designed for beginners, it builds a solid foundation in programming, from basic syntax and data manipulation to structured programming and debugging skills.

BLOQUES TEMÁTICOS Y CONTENIDOS

Contenidos – Bloques Temáticos

- Module 1: Introduction to Python
- Module 2: Data Types and Operators
- Module 3: Control Flow
- Module 4: Data Structures
- Module 5: Functions
- Module 6: Error Handling and Debugging
- Module 7: Introduction to Object-Oriented Programming
- Module 8: Final Project



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METODOLOGÍA DOCENTE

Aspectos metodológicos generales de la asignatura

RESUMEN HORAS DE TRABAJO DEL ALUMNO

SEMESTER: Spring

CREDITS: 6 ECTS (lecture 3 credits + laboratory 3 credits)

LANGUAGE: English

DEGREES: SAPIENS program

EVALUACIÓN Y CRITERIOS DE CALIFICACIÓN

Calificaciones

The following conditions must be accomplished to pass the course:

- A minimum overall grade of at least 5 over 10.
- A minimum grade in the ordinary or/and extraordinary final exam of 4 over 10.

The overall grade is obtained as follows:

- Final exam (50%)
- Midterms (20%)
- Final project (10%)
- Labs (10%)
- Class participation (10%)

The use of AI to create entire works or relevant parts, without citing the source or the tool, or without explicit permission in the assignment description, will be considered plagiarism and will be regulated in accordance with the University General Regulations.

BIBLIOGRAFÍA Y RECURSOS

Bibliografía Básica

- Python Crash Course, 3rd Edition: A Hands-On, Project-Based. Introduction to Programming. Eric Matthes