



Introduction to Python (S005)

Wednesday, January 29 2025

Course location: Online (MSTeams)

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Day	Time	Туре	Description
Wednesday	09:00- 12:15 CET	- Introductions - Lecture - Computer lab exercises - Two short breaks	 Introduction and Python Overview What is Python? (A Brief History of Python) Why Choose Python? What Can You Do With Python? Installing Python: Install Anaconda Distribution for Python (Guide them through the installation process). Briefly Running Jupyter Notebook (Demonstrate how to open and run notebooks). Exploring "No-Install" Online Options (E.g., Google Colab for cloud-based Python). Running Python Code: Text Editors vs Full IDEs. Notebook Environments Jupyter Notebook Overview (A quick tour of its interface, cells, and execution). Python Coding 1: Coding Fundamentals: Python Objects. Python Data Structure Basics. Python Comparison Operators.
	12:15- 13:05	Lunch break	



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13:05 16:30	evercises	 Python Coding 2 Python Statements. Methods and Functions (Introduction to function creation, calling, and using built-in functions). Introduction to Python Key Libraries A Quick Tour in NumPy (Basics of numerical operations with arrays). A Quick Tour in Pandas (Introduction to DataFrames for handling datasets). A Quick Tour in Matplotlib (Basic data visualization).
16:30 17:00	practice with	