## Technical University of Cluj-Napoca Computer Science Department Fundamental Programming Techniques, 2024-2025

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## Fundamental Programming Techniques Laboratory Schedule

Week	Laboratory Activity	Resources	Evaluation
1	Laboratory resources - installation and familiarization	PT_Git_Maven.pdf	_
		PT_Resources.pdf	-
	Assignment 1 presentation	PT_A1.pdf	-
2	Assignment 1 - Design	PT_A1_S1.pdf	
	Overview of Java Collection Framework (Introduction, Map)		-
	Composite Design Pattern		
3	Serialization in Java	PT_A1_S2.pdf	
	Graphical User Interface Development in Java		-
4	Assignment 2 presentation	PT_A2.pdf	Assignment 1
			Evaluation
5	Assignment 2 - Design	PT_A2_S1.pdf	-
6	Overview of Threads in Java	PT_A2_S2.pdf	-
7	Threads Coordination in Java	PT_A2_S2.pdf	-
8	Assignment 3 presentation	PT_A3.pdf	Assignment 2
			Evaluation
9	Assignment 3 – Design	PT_A3_S1.pdf	-
	Reflection in Java		
10	Lambda Expressions in Java	PT_A3_S2.pdf	-
11	Streams in Java	PT_A3_S2.pdf	-
12		_	Assignment 3
	-	_	Evaluation
13	Exercises with lambda expressions and streams	-	-
	Laboratory Test (during course sessions)		
14	Laboratory Test Results - Discussion		