Universitatea Tehnica din Cluj-Napoca Departament Calculatoare

Fundamental Programming Techniques

Course Overview

T.Cioara, V. Chifu, C. Pop 2025

Administrative Issues

Course and laboratory site

- https://dsrl.eu/courses/pt/
- Access password: pt2425



Grading

Final_Grade = 0.5 X written_exam_grade + 0.5 X laboratory_grade laboratory_grade = 0.5 X average_assignments + 0.5 X laboratory_test

Contact

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Course Overview

Week	Course
W1	Software Engineering Process
W2	Design View: UML Diagrams
W3	OOP Paradigms
W4	Programming Techniques with Threads
W5	Abstract Classes and Interfaces
W6	Compositional Techniques, Reflection
W7	Class Design Principles
W8	Solid Principles, Inversion of Control
W9	Generics
W10	Functional Programming
W11	Streams
W12	Design Patterns
W13	Laboratory Test
W14 iques	Revision