

## **METADATA**

Title: Procedural programming

Other Titles: C (Computer Program Language)

Language: Greek

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## Abstract

The textbook aims to introduce first-year students to the concepts of procedural programming, structured programming, and modular programming. The C language is used as a vehicle, combining the advantages of high-level programming languages with the flexibility of lower-level programming, due to its inherent characteristics and capabilities. Initially, the basic concepts of programming are covered (basic program structure, variables, input-output, statements, operators, language

constructs for repetition and branching, arrays, and alphanumeric characters). Next, more complex parts of the subject are described, such as user-defined types, functions, and files. Particular emphasis is placed on data management (pointers, reference calling, dynamic memory allocation), as well as on modular program development and slide development. The main focus of the chapters is to familiarize students with the concepts through examples and case studies.









