

# Global Learning Semesters

## Course Syllabus

Course: COMP-152 Pascal Program Development

Department: Computer Science

Host Institution: University of Nicosia, Nicosia, Cyprus



Course Summary		
Course Code	Course Title	Recommended Credit Hours
COMP-152	Pascal Program Development	3
Semester Offered	Contact Hours	Prerequisites
Fall, Spring	42	None
Department	Level of Course	Language of Instruction
Computer Science	Lower Division	English

### Course Description

- Introduction to Computers.
- Program Design Fundamentals
- Program Structure and basic programming concepts
- Data types and Declarations
- Input / output,
- Constants, Variables, Numbers
- Expressions, Arithmetic Statements, Standard Functions
- Program Control Structures (Decision Statements, Boolean Values, Relational operators)
- Repetitions (Loop Statements)
- Procedures and functions.
- User-Defined Data Types, Enumerated types
- Arrays and Strings
- Introduction to files

### Instructor

Dr. S. Louca

### Course Aims and Objectives

The course aims to introduce students to the principles of programming by means of the syntax and semantics of a structured high-level programming language. Emphasis will be given to problem-solving techniques and systematic approaches to creating programs. The student will gain practical experience in system formulation, coding, debugging, and testing with emphasis to real-life business systems in mathematics and scientific applications.

### Teaching Methods

The course is delivered through lectures and assignments

### Course Teaching Hours

## Evaluation and Grading

Test A:	15%
Test B:	20%
Homework Assignments:	25%
Final Exam:	40

## Readings and Resources

### Required Textbook

Elliot. B. Koffman, Turbo Pascal, Addison Wesley, 5<sup>th</sup> Ed, 1998, ISBN 0-201-35086-6.

### Recommended Reading

D. W. Nance, PASCAL: Understanding, Programming and Problem Solving, 4<sup>th</sup> Ed., 1995, West Publishing Co. (ISBN: 0-314-043-06).