

# Design & Patterns in .NET

Course code: GOC274

Course deals with applying "Design patterns". You will learn to use patterns by analyze, architecture, design, programming, so-called idioms and re-factorization patterns, performance tuning patterns and testing patterns. During the course will be shown range of techniques, methods, procedures and practices called "Best Practices" useful in particular phases and disciplines of software development. The goal of this course is to facilitate understanding principles of patterns using by means of practical examples. During whole course it works on case study individually and in teams by lector leading.

Affiliate	Duration	Course price	ITB
Praha	5	23 000 Kč	50
Brno	5	23 000 Kč	50
Bratislava	5	1 100 €	50

The prices are without VAT.

## Course terms

Date	Duration	Course price	Type	Course language	Location
T 13.01.2025	5	23 000 Kč	Telepresence	CZ/SK	GOPAS Brno_GTT
T 13.01.2025	5	23 000 Kč	Telepresence	CZ/SK	GOPAS Praha_GTT
T 13.01.2025	5	1 100 €	Telepresence	CZ/SK	GOPAS Bratislava_GTT
T 19.05.2025	5	23 000 Kč	Telepresence	CZ/SK	GOPAS Brno_GTT
T 19.05.2025	5	1 100 €	Telepresence	CZ/SK	GOPAS Bratislava_GTT
T 19.05.2025	5	23 000 Kč	Telepresence	CZ/SK	GOPAS Praha_GTT

The prices are without VAT.

## Who is the course for

The course is intended primarily for developers who want to extend self knowledge portfolio in scope of qualified software development. Project manager, analytic, architect, designer, developer, tester - all software professions have to use or well understand patterns and so-called "best practices".

## What we teach you

- Correctly understand patterns by software development.
- Applying patterns in object analyze, architecture, design.
- Patterns using by object programming, testing and optimizing.

## Required skills

Experiences with programming in c# or VB .Net and basics of Object Oriented Programming

## Course Outline

Patterns

- What is a Pattern?
- What Makes a Pattern?
- Pattern Categories
- Relationships between Patterns
- Pattern Description

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# Design & Patterns in .NET

- Patterns and Software Architecture

Architectural Patterns

- Pipes and Filters
- Blackboard
- Distributed Systems
- Broker

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