# Scala Seminar

## 4 hours

**Course overview:**

Scala is a general purpose programming language designed to express common programming patterns in a concise, elegant, and type-safe way.

It has established itself as one of the main alternative languages on the Java Virtual Machine, being used by companies like Twitter and LinkedIn. The usage of Scala is increasing among developers, making it one of the most popular languages.

This Scala seminar will teach you the basic language concepts and programming techniques you need.

**Contents:**

**Tools Overview**

**Functions & Expressions**

- Definition and Evaluation
- First class citizens
- Anonymous
- Currying

**Types**

- Objects
- Classes
- Case classes
- Pattern Matching
- Traits
- Generic Classes
- Variances

**Lists**

- Basic example