# Programming in Python
## Course

Institute of Computer Education

### INTRODUCTION

This course introduces you to a new, fast-growing and flexible language – Python.

Learn how to create Python applications that run on the command line as well as via a GUI using wxPython or via a web application using the Django framework. In this course, you will not only learn the fundamentals of the Python programming language, you will also learn object-oriented programming and how to use your Python skills for various different tasks.

The course also focuses on Python specifics and strengths, such as lists, function generators and string manipulation.

### COURSE CONTENT

**Introducing Python**
Running Programs & IDEs

**Python Data Types**
Core Types
String Formatting & Files
Dictionaries & Lists
Files

**Statements & Syntax**
Decisions & Iterations

**Function & Generators**
Basics, Scopes & Arguments

**Documentation & Modules**
Using PyDoc & Creating Packages

**Object-Oriented Python**
Instances & Inheritance
Polymorphism & Namespaces

**Exception Handling**

**GUI Applications**
Using wxPython

**Web Applications**
Using Django

### COURSE DETAILS

**Study Mode**
**PART***TIME*
Frequency: Once Weekly

**Duration**
18hrs / 9 Sessions

**Delivery Method**
Lectures & Hands-on Practice

**Entry Requirements**
Good knowledge of English
Basic Computer Skills

## Price: € 335

**STUDY EXPERIENCE includes**: Training by an Experienced Developer and Educator, Detailed Courseware.