Computer Programming I

Binnur Kurt, PhD

BAU
Bahçeşehir University

binnur.kurt@rc.bau.edu.tr

Course Content

> Module 1 – Introduction to the course

> Module 2 - Introduction to Computers/Programming/Algorithms

> Module 3 - Introduction to Python

> Module 4 - Lists, tuples, sets, and dictionaries

> Module 5 - Strings

> Module 6 - Control flow

> Module 7 - Functions

> MIDTERM

> Module 8 - Functional Programming

> Module 9 - Exceptions and Files

> Module 10 - Classes and object-oriented programming

> Module 11 - Regular expressions

> Module 12 - Modules and Packages

Course Information

> **Duration**

   14 Weeks

> **Course Hours**

   16:30-18:30

Background

> **1995, B.Sc., ITU Computer Engineering**

> **1997, M.Sc., ITU Computer Engineering**

> **2007, Ph.D., ITU Computer Engineering**

> **1995-2003, RA, *ITU CE***

> **2004-2008, Lecturer, ITU CE**

> **2008-2017, Consultant and Trainer,**

   Omega Training & Consultancy

> **2018-to date, Founder & CEO ,   DEEPCLOUDLABS**

   https://www.deepcloudlabs.com

> **2022-to date, Director of Big Data Education and Research Center,   BAU**

> **2022-to date, Asst. Prof., AI Engineering Department, BAU**

Areas of Interest

> Java Desktop and Enterprise Technologies

> Spring Framework: Spring Data, Spring MVC, Spring Boot

> MySQL, MySQL Cluster

> Programming Paradigms: OOP, FP, GP, RP

> Oracle Fusion Middleware Technologies: SOA, BPM, OSB

> Big Data and Machine Learning

> Algorithmic Trading & High-frequency Trading

> Crypto-Currency & Block-chain

> Digital Image & Video Analysis and Processing

> Real-Time Computer Vision Systems

Trainings Offered

My Certifications

Contact

> **binnur.kurt**@rc.bau.edu.tr

> http://**binkurt.**blogspot.com

> https://www.**deepcloudlabs**.com