University of Sunderland

in Hong Kong

新 特 蘭 大 學 香 港 分 校

Professional Development 2020-21 —

Certificate of Python for Data Science and Machine Learning Fundamental

Python基礎應用證書 - 數據科學及機器學習

INTRODUCTION

Practice your skills in Data Science with Python, by learning and then trying all these hands-on, complete a mini data science projects together.

This course will be of interest to aged 18 or above, with interest in Data Science who are seeking new capability in data analytics and machine learning and expanding new knowledge in Big Data programming.
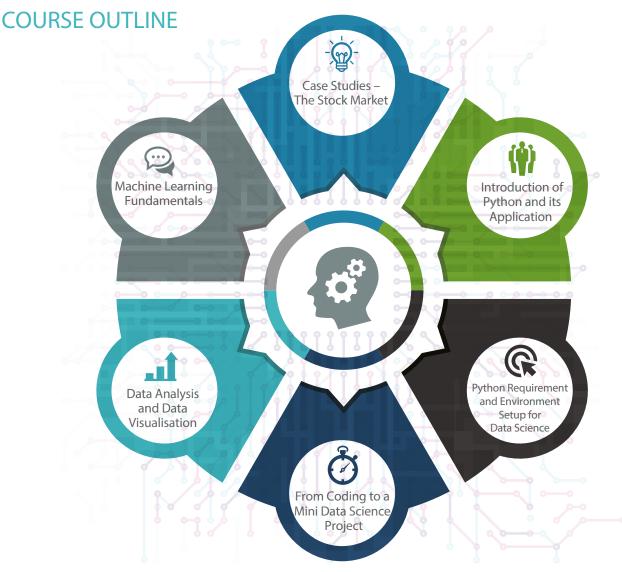
TUTOR

MR. SAMUEL SUM

He obtained his Master of Finance degree from Curtin University, Australia. He is currently a Chartered Management Consultant (CIMC, Canada) and has specialised in providing consultancies for businesses in the Data Science and Information Management areas.

HOW TO APPLY

SCAN HERE

to download the application form

COURSE OUTLINE

Machine Learning Fundamentals

Case Studies – The Stock Market

Introduction of Python and its Application

Data Analysis and Data Visualisation

Python Requirement and Environment Setup for Data Science

From Coding to a Mini Data Science Project

By the end of the module you should be able to:

1. Identify the features of Python and the environmental requirements to optimize its usage and purposes
2. Organise, monitor and complete mini data science projects in different industrial sectors
3. Apply data analytic skills and knowledge for making efficient and effective decisions
4. Know-how of machine learning and its applications via Python
5. Gain the University Certificate for a professional career qualification to open employment opportunities
6. Enjoy extra discount for progression onto MSc Data Science programme at University of Sunderland in Hong Kong

CLASS SCHEDULE
Three Saturday
14, 21, 28 November 2020,
10:00 AM to 5:00 PM

COURSE FEE
HK$4,500

DELIVERY MODE
Face to face / Online Classes

MEDIUM OF INSTRUCTION
Cantonese with English Materials

MATERIALS
· Power points
· Activities
· A complimentary online textbook

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