SCHOOL OF MANAGEMENT
复旦大學 管理学院
FUDAN UNIVERSITY

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COMP100001
Programming with Python

Program : Global Summer Program
Term : Summer 2024
Duration : June 5, 2024 - July 26, 2024
Contact Hours : 54
Fudan Credits : 3

Course Description:
This course utilizes the widely adopted Python language, specifically chosen for its suitability as the initial programming language for non-computer science students.

Covered content encompasses fundamental aspects of Python, such as basic syntax, control structures, string operations, function usage, as well as an introduction to data analysis and visualization.

Course Goals:
The course objective is to help students understand the general approaches and methods for solving problems using computers, master the fundamental processes and techniques of programming, and be proficient in using Python as a tool for data analysis and processing.

This will enable students to more easily transition to other programming languages.

Prerequisites:
No Prerequisites.

Textbook:
There is no required textbook.

Reference:
- Python Crash Course, 3rd Edition by Eric Matthes Released January 2023
  Publisher(s): No Starch Press
  ISBN: 9781718502703

Schedule:

Lecture	Date	Time	Topic
1	June 5, 2024	**Online Sessions** Lecture 1 - 8: 13:30-17:00 BJT (UTC+8)	Introduction and Installation
2	June 12, 2024		Basic Programming Syntax
3	June 17, 2024		Basic Data Structures
4	June 19, 2024		Control Structure
5	July 9, 2024		Dealing with Strings
6	July 12, 2024		Utilization of Functions
7	July 16, 2024		Introduction of Numpy
8	July 19, 2024		Introduction of Pandas
9	July 22-July 26, 2024	**Offline Sessions** Lecture 9 - 12: TBD	Data Visualization
10			Web Data Crawling
11			Basic NLP
12			Thesis

Assessment:

Assessment Task	Weighting
1. Class Participation	20%
2. Individual Assignments	40%
3. Thesis	40%

Grading Scale:

Grades	A	A-	B+	B	B-	C+	C	C-	D	F
100	90-100	85-89	82-84	78-81	75-77	71-74	66-70	62-65	60-61	<60

The instructor will use the grading system as applied by Fudan University.

Credit Point Value:

Component	Contact Hours	Fudan Credits
Academic Lectures	44	
Thesis/Exam	4	
Field Trip	3	3
Seminar	3	
Total	54	

At Fudan University, the duration of one contact hour is 45 minutes, and 18 contact hours are equivalent to 1 credit.

Note: The document is subject to change at the discretion of School of Management, Fudan University.