# CDS6214 Data Science Fundamentals

# Course Information Term 2510

#### **Teaching Team**



Dr. Ku Day Chyi

Assistant Professor

▼ FACULTY OF COMPUTING AND INFORMATICS (FCI)
FCI BR3012 , Multimedia University, Persiaran Multimedia
63100, Cyberjaya, Selangor

**\** 03-83125044

✓ dcku@mmu.edu.my



Dr. Amy Lim Hui Lan

Assistant Professor

FACULTY OF COMPUTING AND INFORMATICS (FCI)

BR3030, Multimedia University, Persiaran Multimedia

63100, Cyberjaya, Selangor

**\** 03-83125218



Ms. Pang Nyuk Khee @ Angeline Pang
Lecturer

- FACULTY OF COMPUTING AND INFORMATICS (FCI) BR1020, Multimedia University, Persiaran Multimedia 63100, Cyberjaya, Selangor
- **\** 03-83125467
- angeline.pang@mmu.edu.my

Lecture: TC1L, TC3L

Lab: TT1L, TT2L, TT3L,

TT4L

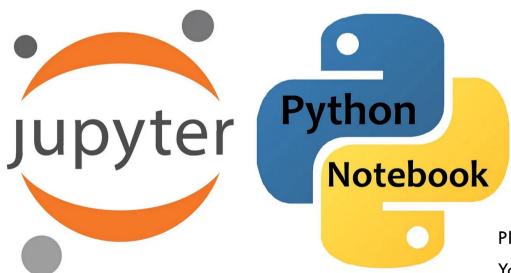
Lecture: TC2L

Lab: TT5L, TT6L, TT7L,

TT8L

Lab: TT9L, TT10L

## PROGRAMMING LANGUAGE AND SOFTWARE USED



Please install Python and Jupyter Lab/Notebook.

You can refer to this video for instructions: https://www.youtube.com/watch?v=yjjE-MJD5TI

#### TEACHING AND LEARNING PLATFORM



- eBwise
  - Access teaching materials
  - Announcements
- Teams for online classes
  - ❖ Teams link will be provided in eBwise according to your lecture and tutorial sessions.

### Subject Assessments

This subject is 100% coursework.

- Lab Exercises (30%)
- Tests (30%)
- Project (40%)



#### Assessments

- Lab Exercise (30%): Release on the Monday of Week 12, consists of programming questions, group submission on the Sunday of Week 12.
- Test (30%): 8:00pm, 28<sup>th</sup> May 2025, Week 10 MCQ, individual submission, coverage include all lessons till Week 8.
- Project (40%): Release on Week 4, group submission on Week 13.
- You are to form group of 4 from the same tutorial session to complete the Lab Exercise and Project.

### Teaching Plan

#### $\underline{\underline{+}}\underline{\underline{\text{WEEKLY}}}\text{ LESSON PLAN AND ASSESSMENT DUE DATES}$

			IMPORTANT NOTES
WEEK	TOPICS/ACTIVITIES	ASSESSMENT METHOD & WEIGHTAGE	Please state:
			i. Replacement classes (if applicable)
			ii. Public holidays and MMU major events
1.	Introduction		Supplementary Exam Week
			[Online T&L Week]
2.	DS Pipeline		31 March & 1 April (Mon & Tue) Eidul-Fitri
			[Online T&L Week]
3.	Data Wrangling		
4.	EDA	Release Project (40%)	
5.	Data Mining		
6.	Predictive Modeling		1 May (Thu) Labour Day
7.	Data Visualization		
8.	Big Data Architecture 1		12 May (Mon) Wesak Day
9.	Big Data Architecture 2		
10.	Big Data Architecture 3	Test (30%)	Test on 28th May (Wed) 8:00pm
11.	Case study		2 June (Mon) Agong's Birthday
			6 June (Fri) Hari Raya Korban
			[Online T&L Week]
12.	Ethics in Data Science	Lab Exercises (30%)	
13.	Project Submission		
14.	Project Presentation		27 June (Fri) Awal Muharram