

 **COPY SHEET**
 **UPDATE INDEX**
 **CLEAR FORM**

[illegible]

C1 = Knowledge & Understanding (**HPP1**), C2 = Cognitive Skills (**HPP2**), C3A = Practical Skills (**HPP3**), C3B = Interpersonal Skills (**HPP4**), C3C = Communication Skills (**HPP5**), C3D = Digital Skills (**HPP6**), C3E = Numeracy Skills (**HPP7**), C3F = Leadership, Autonomy & Responsibility (**HPP8**), C4A = Personal Skills (**HPP9**), C4B = Entrepreneurial Skills (**HPP10**), C5 = Ethics & Professionalism (**HPP11**)

Transferable Skills (if applicable) / <i>Kemahiran (jika ada)</i> <i>(Skills learned in the course of study which can be useful and utilized in other settings /</i> <i>Kemahiran yang dipelajari dalam kursus</i> <i>penaigian yang boleh berguna dan diaplikasikan</i>
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1	
2	
3	
Open-ended response (if any) / Lain-lain (jika ada)	
4	

Distribution of Student Learning Time (SLT) / Agihan Masa Pembelajaran Pelajar (SLT)  
 Note: This SLT calculation is designed for home grown programme only / Nota: Pengiraan SLT ini direka untuk program sendiri sahaja

Course Content Outline and Subtopics / Kandungan Kursus dan Subtopik		CLO/HPK*	Learning and Teaching Activities/ Aktiviti Pembelajaran dan Pembelajaran**								Total SLT	
			Face-to-Face (F2F) / Bersemuka						NF2F Independent Learning / Pembelajaran Kendiri (Asynchronous / Tidak Segerak)			
			Physical / Fizikal				Online/ Technology- mediated (Synchronous/ Segerak)					
			L	T	P	O	L	T				P
1	Introduction to Statistics, Types of Data, and Organizing Data	1	2.5	1							5	
2	Numerical Descriptive Measures	1	2.5	1							5	
3	Probability	1	2.5	1							5	
4	Discrete Random Variables	2	2.5	1							5	
5	Continuous Random Variables and Sampling Distributions	2	2.5	1							5	
6	Hypothesis Testing	2	2.5	1							5	
7	Regression Analysis	2	2.5	1							5	
8	Introduction to R	3	2.5		1						5	
9	Data Exploration with R	1,3	2.5		1						5	
10	Data Visualization with R	1,3	2.5		1						5	
11	Statistical Analysis with R	3	2.5		1						5	
12	Programming with R	4	2.5		1						5	
13	Monte Carlo Methods	4	2.5		1						5	
14												
15												
16												
17												
18												
19												
20												
SUB-TOTAL SLT:												110.5

Continous Assesement / Penilaian Berterusan		%	Face-to-Face (F2F) / Bersemuka		NF2F	
			Physical / Fizikal	Online/ Technology-mediated (Synchronous/Segerak)	Independent Learning for Assessment (Asynchronous) / Pembelajaran Kendiri untuk Penilaian(Tidak	
1	Report / Laporan	20			13	
2	Test / Ujian	30	2		15	
3	Presentation / Pembentangan	10	0.5		1	
4						
5						
SUB-TOTAL SLT:						
Final Assesement / Penilaian Akhir		%	Face-to-Face (F2F) / Bersemuka		NF2F	
			Physical / Fizikal	Online/ Technology-mediated (Synchronous/Segerak)	Independent Learning for Assessment (Asynchronous) / Pembelajaran Kendiri untuk Penilaian(Tidak	
1	Peperiksaan Akhir	40	3		15	
2						
3						
4						
5						
SUB-TOTAL SLT:						
SLT for Assessment:						49.5
GRAND TOTAL SLT:						160
A	% SLT for F2F Physical Component: [Total F2F Physical / (Total F2F Physical + Total F2F Online + Total Independent Learning) x 100]					31.88
B	% SLT for Online & Independent Learning Component: [(Total F2F Online + Total Independent Learning) / ( Total F2F Physical + Total F2F Online + Total Independent Learning) x 100]					68.13
C	% SLT for All Practical Component: [% F2F Physical Practical + % F2F Online Practical]					3.75
C1	% SLT for F2F Physical Practical Component [Total F2F Physical Practical / ( Total F2F Physical + Total F2F Online + Total Independent Learning) x 100]					3.75
C2	% SLT for F2F Online Practical Component [Total F2F Online Practical / (Total F2F Physical + Total F2F Online + Total Independent Learning) x 100]					0.00
Please tick (v) if this course is Industrial Training/ Clinical Placement/ Practicum using 50% of Effective Learning Time (ELT) / Tandakan (v) jika kursus ini merupakan kursus Latihan Industri/Penempatan Klinikal/ Praktikum yang menggunakan 50% Masa Pembelajaran Efektif (ELT).						
Note:  * Indicate the CLO based on the CLO's numbering in Item 8 ** For ODL programme: Courses with mandatory practical requiremnets imposed by the programme standards or any related standards can be exempted from complying to the minimum 80% ODL delivery rule in the SLT.						
11	Identify special requirement or resources to deliver the course (e.g., software, nursery, computer lab, simulation room etc) / Kenal pasti keperluan atau sumber khas untuk	Computer lab, R statistical packages				
12	References (include required and further readings, and should be the most current) / Rujukan (termasuk bacaan yang diperlukan dan bacaan lanjut, dan hendaklah yang paling terkini)	Bluman A.G. 2023. Elementary Statistics: A Step By Step Approach. Edisi ke-11. McGraw-Hill Education. Bruce, P., Andrew B., & Peter G. 2020. Practical statistics for data scientists: 50+ essential concepts using R and Python. Edisi ke-2. O'Reilly Media. James, G., Witten, D., Hastie, T., & Tibshirani, R. 2021. An Introduction to Statistical Learning with Applications in R. Edisi ke-2. Springer. Mann P.S. 2020. Introductory Statistics. Edisi ke-10. John Wiley & Sons. Nady, M. 2022. Introduction to R Programming Language. Arcler Press.				
13	Mapping to Future Ready Curriculum Element / Pemetaan kepada Kurikulum Sedia Masa Hadapan				Mapping to EXCEL Framework / Pemetaan kepada Kerangka EXCEL	
14	Mapping to SDG / Pemetaan Kepada Matlamat Mampan				Elemen AI / AI Element	Yes
15	Latest Approval Date / Tarikh Kelulusan Terkini	Faculty/Fakulti	18-Sep-24		Senate/ Senat	17 Ogos 2016