

1.	Name of Course :	Introduction to Statistics													
	Course Code :	STAT 1000													
2.	Synopsis :	The course introduces various elementary concepts of statistics such as descriptive statistics, probability distribution, sampling and estimation, hypothesis testing and simple linear regression													
3.	Name of academic staff :	Nora'asikin binti Abu Bakar													
4.	Semester and Year offered :		1	Year	2										
5.	Credit Value :	3													
6.	Prerequisite/co-requisite: (if any)	None													
7.	Course Learning Outcomes (CLO) : At the end of the course the students will be able to:														
	CLO1	Construct tabular, pictorial presentation and compute the measures of central tendency and dispersion.													
	CLO2	Solve the probability and some special probability distribution problems.													
	CLO3	Construct an interval estimation and carry out hypothesis testing for population mean, and do forecasting using simple linear regression.													
8.	Mapping of the Course Learning Outcomes to the Programme Learning Outcomes, Teaching Methods and Assessment :														
	Course Learning Outcomes (CLO)	Programme Learning Outcomes (PLO)												Teaching Methods	Assessment
		PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10	PLO11	PLO12		
	CLO 1	√												Lect & Tut	Asg, Test & FE
	CLO 2				√									Lect & Tut	Test & FE
	CLO 3						√							Lect & Tut	Test & FE
	Indicate the relevancy between the CLO and PLO by ticking “/” the appropriate relevant box.														
	(This description must be read together with Standards 2.1.2 , 2.2.1 and 2.2.2 in Area 2 - pages 16 & 18)														

9.	Transferable Skills (if applicable) (Skills learned in the course of study which can be useful and utilized in other settings)	1	Skills on solving statistical problems will be obtained from lectures, exercises and tutorials.						
		2							
10.	Distribution of Student Learning Time (SLT)								
Course Content Outline		CLO*	Teaching and Learning Activities					Independent Learning (NF2F)	SLT
			Guided Learning (F2F)				Guided Learning (NF2F) eg: e-Learning		
			L	T	P	O			
1. Introduction to Statistics		1	2	2				2	6
2. Graphical Descriptive Methods		1	4	2			1	8	15
3. Numerical Descriptive Measure		1	4	2			1	8	15
4. Probability		2	3	2				8	13
5. Probability Distribution		2	3	2			1	8	14

	6. Sampling and Estimation <ul style="list-style-type: none">• Sampling distribution of the sample mean• Interval estimation of population mean	3	3	2			1	6	12
	7. Hypothesis Testing <ul style="list-style-type: none">• Introduction• Testing the single population mean	3	3	2			1	6	12
	8. Simple Linear Regression <ul style="list-style-type: none">• Introduction• Least Square Method• Correlation	3	2	2				2	6
	Total								93

Continuous Assessment		Percentage (%)	F2F	NF2F	SLT
1	Assignments	30	2	6	8
2	Tests	20	2	4	6
Total					14
Final Assessment		Percentage (%)	F2F	NF2F	SLT
1	Final Exam	50	3	10	13
Total					13
**Please tick (✓) if this course is Latihan Industri/ Clinical Placement/ Practicum/ WBL using 2-weeks, 1 credit formula				<input type="checkbox"/>	GRAND TOTAL SLT
120					
<i>L = Lecture, T = Tutorial, P= Practical, O= Others, F2F=Face to Face, NF2F=Non Face to Face</i>					
<i>*Indicate the CLO based on the CLO's numbering in Item 8.</i>					
11	Identify special requirement to deliver the course (e.g: software, nursery, computer lab, simulation room, etc)				
12	References : (include required and further readings, and should be the most current)	Main reference supporting the course: Ron Larson, Betsy Farber. 2018. <i>Elementary Statistics: Picturing the World, 7th Ed</i> . Pearson			
13	Other additional information :	Additional references supporting the course: 1. Bluman. 2018. <i>Elementary Statistics, 10th Ed</i> . Mc Graw Hill 2. Mario F. Triola. 2017. <i>Elementary Statistics, 13th Ed</i> . Pearson			