Module Handbook

Module Name	Statistic fo	r Chomistry						
Module Level	Statistic for Chemistry							
	Higher Dip	ютта						
Code, if applicable	VKT219							
Subtitle, if applicable	-							
Courses, if applicable		-						
Semester(s) in which	2 nd semester							
the module is taught								
Person responsible for	Kuntari, S.Si., M.Sc.							
the module	Puji Kurniawati, S.Pd.Si., M.Sc.							
Lecturer	Kuntari, S.Si., M.Sc.							
	Puji Kurniawati, S.Pd.Si., M.Sc.							
Language	Bahasa Indonesia							
Relation to curriculum	Compulsory							
Type of teaching,	Lectures: 100 min/week							
contact hours	Structured Assignments/structured activities: 120 min/week							
	Online Activity/individual study: 120 min/week							
	·· · · · ·							
	Laboratory work: 340 min/week							
Workload	Total	91 hours; 2	2 CU					
	Workloa							
	d							
		Face to	Structured	Indepen	Computer	Exam		
		face	activities	dent	Assisted			
		teaching		study	Data			
					Analysis			
	Hours	12	14	14	40	11		
Credit Points	2 SCU/3,4 I			1		1		
Requirements	75% minimum requirements of attendance							
according to the								
examination								
regulations								
Recommended								
prerequisites								
Module	PLO 4: Able to lead in his/her working environment and be an							
objectives/intended	exemplification for society							
learning outcomes	PLO 9 : Able to carry out the validation or verification of chemical							
	analysis methods Subject LO: Students are able to explain and apply sampling techniques in chemical analysis Students are able to explain and calculate descriptive statistics including							
		mean, median, mode, variant, and standard deviation						
	-		-			orms		
		Students are able to arrange the data with various methods/forms Student are able to analyze and conclude the results of normality						
		Student are able to analyze and conclude the results of normality, correlation and regression test						
Content		correlation, and regression test 1. Descriptive statistics						
	2. Estimated parameters							
	2. Estimat	ed paramete						
		ed paramete eneity test						

	5. Analysis of variance		
	6. Regression and correlation analysis		
Study and examination	Assignment (5%), exam (35%), report (30)%), analysis data skill (30%)		
requirements and			
forms of			
examination			
Media employed	Google classroom, youtube, zoom meeting, google form, google sheet		
Reading list	1. Mendenhall, W., Sincich, T., 1995, Satistics for Engineering and the		
	Science, 4 th Prentice-Hall International, Inc. New Jersey		
	2. Miller, J.C., Miller, J.N., 1984, Statistics for Analytical Chemistry, Ellis		
	Horwood New York		
	3. Miller, J.C., Miller JN, 1991, Statistics for Chemistry, translated by		
	Suroso, Bandung : ITB Publisher		