## MODULE HANDBOOK

Module name		Calcu	lus 1								
Module level, if applicable		1 <sup>st</sup> year									
Code, if applicable		SST-102									
Semester(s) in which the											
module is taught		1 <sup>st</sup> (first)									
Person responsible for the		A 1 1F CP1 MC									
module		Achmad Fauzan, S.Pd., M.Si.									
Lecturer		Achmad Fauzan, S.Pd., M.Si.									
		Dr. tech. Rohmatul Fajriyah, M.Si.									
		Abdullah Ahmad Dzikrullah, S.Si., M.Sc.									
		Sekti Kartika Dini, S.Si., M.Si.									
		Arum Handini Primandari, S.Pd.Si., M.Sc.									
		Ayundyah Kesumawati, S.Si., M.Si.									
Language		Bahasa Indonesia									
Relation to curriculum				-	ster) Bachelor Degree						
Types of	Class size	Attendance time		Form of active	Workload						
teaching and			s per week	participation	(hours per semester)						
learning	50.60		mester)	D: :	Б , С	. 1:	25				
Lecture	50-60	2.5		Discussion, Problem		ce teaching	35				
						dactivities	48				
				solving	Independ	ent study	48				
T-4-1		126			Exam		3				
Total workload		136									
Credit points  Requirements	according to	5 CU / 5.1 ECTS  Minimum attendance at lectures is 75%. Final score is evaluated based									
Requirements according to the examination regulations		on quiz, assignment, mid-term exam, and final exam.									
	Recommended prerequisites		on quiz, assignment, iniu-term exam, and imai exam.								
Related course		- Calculus II									
Module object		After completing this course, the students:									
learning outcom		CO1. have the profound knowledge of the fundamental mathematics									
		and its application									
		CO1. have the capability to generalize the simple mathematics									
		problem									
			CO2. have the ability to recognize and solve the simple mathematical								
	problems										
Content		1. Set									
		2. Logic operation									
		3. Permutation and Combination									
		4. Real Number									
		5. Function									
	6. Limit and its application										
Study and aver	7. Derivative and its application The final mark will be weighted as follows:										
Study and examination requirements and forms of		No No	Assessmen			Weight					
examination		110	component		types	(percentage	·)				
Cammaton		1	COmponent	Midterm exa	ım	60%	<u>')                                    </u>				
		1		assignment,		0070					
	2	CO 2	Final term ex		40%						
	-	<b>-</b>	assignment,								
			<i>3</i> ,								
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Media employed	Google Classroom, relevant websites, slides (power points), video,					
	interactive media, white-board, laptop, LCD projector					
Reading list	1. Purcell, E.L., 1989, Kalkulus dan Geometri Analitik					
	(Terjemahan), Erlangga, Jakarta					
	2. Varberg, D., Purcell, E., and Ridgon, S., 2011, Calculus 9 <sup>th</sup>					
	Edition, Pearson.					
	3. Hoffmann, L.D., and Bradley, G.L., 2010, Calculus for Business,					
	Economics, and the Social and the Life Science, McGraw Hill:					
	New York.					
	4. Fajriyah, R., 2016. Logika Kalkulus, Azza Grafika, Yogyakarta					
	5. Paul Dawkins, 2020, Calculus 1, Penn State University, USA					

Mapping CO, PLO, and ASIIN's SSC

ASIIN		PLO											
		E	N	T	Н	U	S	I	A	S	T	I	С
Knowledge	a							CO1					
	b												
	c												
	d							CO1					
Ability	e												
	f							CO2					
Competency	g												
	h												
	i												
	j												
	k												
	l												