

## MODULE HANDBOOK

Module name		Calculus 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 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		Compulsory course in the first year (1 <sup>st</sup> semester) Bachelor Degree			
Types of teaching and learning	Class size	Attendance time (hours per week per semester)	Form of active participation	Workload (hours per semester)	
Lecture	50-60	2.5	Discussion, Problem solving	Face to face teaching	35
				Structured activities	48
				Independent study	48
				Exam	5
Total workload		136			
Credit points		5 CU / 5.1 ECTS			
Requirements according to the examination regulations		Minimum attendance at lectures is 75%. Final score is evaluated based on quiz, assignment, mid-term exam, and final exam.			
Recommended prerequisites		-			
Related course		Calculus II			
Module objectives/intended learning outcomes		After completing this course, the students: 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 7. Derivative and its application			
Study and examination requirements and forms of examination		The final mark will be weighted as follows:			
		No	Assessment components	Assessment types	Weight (percentage)
		1	CO 1	Midterm exam, assignment, quiz	60%
		2	CO 2	Final term exam, assignment, quiz	40%

