HASANUDDIN
UNIVERSITY

Agricultural
Engineering
Bachelor Program

2023
MODULE
DESCRIPTION

BACHELOR PROGRAM
AGRICULTURAL ENGINEERING
FACULTY OF AGRICULTURE
HASANUDDIN UNIVERSITY
2023

Elementary Mathematics
Semester 1

Module designation	Mathematics
Semester(s) in which the module is taught	I
Person responsible for the module	Nur Erawaty
Language	*Indonesia*
Relation to curriculum	*Compulsory*
Teaching methods	*Lecture*
Workload (incl. contact hours, self-study hours)	*(Estimated) Total workload:* *2 SKS = 3.4 ECTS = 91.8 hours* *> Lecture = 23.3 hours* *> Excercise = 28 hours* *> Sel Study = 28 hours* *> Exam = 4 hours (MID term and final)* *>Exam preparation= 8.5 hours*
Credit points	Lecturer assessment: attendance-10%, assignment-30%, presentation 30%, examination 30%.
Required and recommended prerequisites for joining the module	
Module objectives/intended learning outcomes	1. Having a comprehensive understanding on the theoretical concept and principle of food science and technology in a broad sense (humanity, basic, and applied science) to support their expertise in food science and technology. 2. Capable to make decision strategic in food science and technology based on scientific data and information.
Content	This module delivers material about real number system, function and draft, limit and continuety, function derivates, derivate application, integral and its application.
Examination forms	
Study and examination requirements	Study form are group project, lectures, and lessons. Examination form is written exam, project work, essay writing. During written exam, student is not allowed to use textbooks.
Reading list	Dale Varberg, Edwin Purcell, dan Steve Rigdon, 2011, Calculus 9th edition