HASANUDDIN
UNIVERSITY

Agricultural
Engineering
Bachelor Program

2023
MODULE
DESCRIPTION

**BACHELOR PROGRAM
AGRICULTURAL ENGINEERING
FACULTY OF AGRICULTURE
HASANUDDIN UNIVERSITY
2023**

Engineering Mathematics I Practicum
Semester 2

Module designation	Engineering Mathematics I Practicum
Semester(s) in which the module is taught	II
Person responsible for the module	• Muhammad Tahir Sapsal, STP., M.Si • Samsuar, STP., M.Si • Husnul Mubarak, S.TP., M.Si • Dr. Gemala Hardinasinta, S.TP
Language	Indonesia
Relation to curriculum	Compulsory
Teaching methods	Tutorial
Workload (incl. contact hours, self-study hours)	(Estimated) Total workload: 1 SKS x 1.7 = 1.7 ECTS = 45.9 hours • Lecture = 11.6 hours • Excercise = 14 hours • Sel study = 14 hours • Exam = 2 hours (MID term and final) • Exam preparation = 4.3 hours
Credit points	1 SKS =1.7 ECTS
Required and recommended prerequisites for joining the module	Elementary Mathematics
Module objectives/intended learning outcomes	ILO 3 : apply knowledge of mathematics, sciences, and engineering principles in agricultural fields; ILO 4 : use quantitative analysis, information technology and critical thinking in agricultural engineering profession; ILO 6 : manage and utilize agricultural resources effectively, efficiently, and sustainably;
Content	This course is designed to develop and expand students' critical thinking skills by implementing strategies that will help them interpret, analyze, evaluate, conclude, and synthesize the concepts learned in this course and develop greater knowledge and understanding of mathematics and to achieve skills that necessary for success in studies (Mathematical Engineering II).
Examination forms	Writing
Study and examination requirements	Attendance above 80%
Reading list	1. Stroud, K.A., 1987. Engineering Mathematics, 3-ed. The Macmillan Press, Ltd.