

Module Name	Soil Science
Module Level, if applicable	Beginner
Code if Applicable	0310200942
Subtitle, if applicable	-
Courses, if applicable	0310200942 (Soil Science)
Semester(s) in which the module is taught	2
Person responsible for the module	Dr. Ir. Ali Ikhwan, MP.
Lecturer	Dr. Ir. Ali Ikhwan, MP.
Language	Indonesia
Relation to curriculum	Compulsory Courses for undergraduate program in Department of Agrotechnology, Faculty of Agriculture and Animal Science.
Type of teaching, contact hours	Lecture, Project, Independent Learning, Lab Work
Workload	<ul style="list-style-type: none"> ● Lecture : 2 sks × 50 minutes × 16 weeks ● Project : 2 sks × 60 minutes × 16 weeks ● Independent Learning 2 sks × 60 minutes × 16 weeks ● Lab Work: 1 sks × 170 minutes × 16 weeks
Credit points	SKS 3 SCH x (1.5) = 4.5 ECTS
Requirements according to the examination regulations	1. Registered in this course 2. Minimum 80% attendance in this course
Recommended prerequisites	No prerequisites
Module Objectives (Intended learning outcomes)	On successful completion in this course, student should be able to: <ul style="list-style-type: none"> ● Understand the importance of groundwater, soil minerals and the chemical properties of soil colloids ● Understand the source of organic matter and the classification of soil biota ● Understand plant growth factors and types of fertilizers
Module Content	This course will present to recognize and understand the basics of related to the use of soil as a growing medium for both soil living organisms and plants, soil as part of the ecosystem, which is expected to be a minimum provision for a person to develop agribusiness, especially on farm and basic provisions for soil experts in exploring advanced knowledge of soil
Study and examination requirements and forms of	Cognitive: Midterm exam, Final exam, Quizzes, Assignments

examination	Affective: Assessed from the element /variables achievement, namely (a) Contributions (attendance, active, role, initiative, and language), (b) Being on time, (c) Effort.
Media employed	Classical teaching tools with white board and power point presentation
Recommended Literature	For Class A. Compulsory - Journal related to Hanafiah (2010) Foth (1984) Hakim dkk (1986) B. Option - Journal related to Sarwono (1987) Hakim dkk (1986)
Date of Last Amendment	22 nd August 2022