	Module Description/Course Synabl
	Study Program : S1 Undergraduate Program
UTITY TEDAAAAN DAWN	Faculty of Agriculture
1 Course a sumb on su	
DIT611 03 Soil Fortility	
2. Credits and contact hours/Number of FCTS credits allocated	
3 credits (2 classes, 1 practicum)	
3. Instructors and course coordinator	
Ir. Octane Emalinda, MP	
Ir. Irwan Darfis, MP	
Dr.Ir. Gusnidar, MP,	
Dr. Gusmini, SP. MP	
Prof.Dr.Ir. Hermansah, MS. MSc,	
Is. Lusi Maira, MAgrSc	
Dr.rer.nat. Ir. Syafriment Yasin, . MS.MSc	
Dr.Ir. Teguh Budi Prasetyo, MS,	
Prof.Dr.Ir. Herviyanti, MS,	
Nofrita Sandi, SP. MP	
Dr.Ir. Agustian,	
Dr. Mimien Harianti, SP. MP	
4. Text book, title, outhor, and year	
1.Tisdale & Nelson. 1985. Soil Fertility & Fertilizers.	
2. Yusuf Nyakfa et al. 1986. Soil Fertility	
3. Adams & Pearson. 1967. Soil Acidity & Liming.	
4. The Annunciation. 1980. Nuclide Tracer.	
. Publications in research journals related to the subject / subsubject.	
5. Specific course information	
A. Brief description of the content of the course (catalog description)	
Students are able to ex	plain and use the knowledge and analytical techniques obtained to assess
the fertility of a soil an	ad are able to overcome soil acidity problems by liming and are able to
carry out laboratory an	ind field tests in determining the amount of fertilizer needed to meet plant
needs through efficient fertilization.	
B. Level of course unit (according to EQF: first cycle Bachelor, second cycle Master)	
First Cycle Bachelor	
C. Semester when the course unit is delivered	
Even Semester	
D. Mode of delivery (face-to-face, distance learning)	
Face to face	
6. Intended Learning Outcomes (CPL)	
ILO 1: Able to apply basic agricultural sciences widely in overcoming agricultural problems for	
sustainable agricultural development (P)	
PI 2: Analyzing agricultural problems with a soil science approach and agricultural sciences in	
general	

PI 3: Applying basic sciences and soil science in solving land and environmental problems for agricultural development

ILO 2: Able to identify, analyze, and solve land problems in improving productivity and quality of agricultural products for sustainable agricultural development

PI 3: Measures soil fertility and its relationship to crop production and the environment.

ILO 4: Able to apply their professional responsibilities to make decisions in land and environmental management

PI 3 : Determining alternative solutions to land problems

7. *Course Learning Outcomes* (*CPMK*) *ex. The student will be able to explain the significance of current research about a particular topic.*

 Analyze agricultural problems with a soil science approach and agricultural sciences in general

2. Apply basic sciences and soil science in solving land and environmental problems for agricultural development

3. Measures soil fertility levels and their relationship to crop production and the environment.

4. Determine alternative solutions to land problems

8. Learning and teaching methods

Cooperative Learning, Case Method Learning, and Problem Based Learning

9. Language of instruction

English

10. Assessment methods and criteria

Summative Assessment :

- 1. Assignment
- 2. UTS
- 3. UAS
- 4. Internship

Formative Assessment:

- 1. Thumb up and thumb down
- 2. Minutes paper