

2023 MODULE DESCRIPTION

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DO ZIEMI OBIECANE

BACHELOR PROGRAM AGRICULTURAL ENGINEERING FACULTY OF AGRICULTURE HASANUDDIN UNIVERSITY 2023

Surveying

Semester 3

Module designation	Surveying
Semester(s) in which the	<i>III</i>
module is taught	
Person responsible for the	Prof. Dr. Ir. Ahmad Munir,M.Eng.
module	Dr. Ir. Daniel Useng, M.Eng.Sc.
	• Dr. Ir. Mahmud, MP.
	Haerani, STP.,M.Eng.Sc.
Language	Indonesia
Relation to curriculum	Compulsory
Teaching methods	lecture
Workload (incl. contact hours,	• 2 SKS x 1.7 = 3.4 ECTS = 91.8 hours
self-study 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	2 SKS= 3.4 ECTS
Required and recommended	- physics
prerequisites for joining the	
module	
Module objectives/intended	ILO 5 : Use techniques, skills, and modern tools necessary for agricultural
learning outcomes	engineering practices;(skill 1).
	ILO 7 : Manage and utilize agricultural resources effectively, efficiently, and sustainably; (competence 1).
Content	This course contains (1) basic concepts of surveying, (2) Measurement,
	Calculation, and Corrections in Distance and Angle, (3) Mensuration in Polygon
	(Area, Volume, and Cut & Fill) (4) Digital Mapping System (SIG and remote
	Sensing).
Examination forms	Writing exam
Study and examination	Attendance above 80%
requirements	
Reading list	Schofield, W. & M. Breach, 2007. Engineering Surveying. Sixth Edition,
	Butterworth-Heinemann Elsevier. Sydney.