

## 2023 MODULE DESCRIPTION

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Wybór felietonów polsi

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TK

PORSCHE'EM DO ZIEMI OBIECANEJ

BACHELOR PROGRAM AGRICULTURAL ENGINEERING FACULTY OF AGRICULTURE HASANUDDIN UNIVERSITY 2023

## Irrigation and Drainage Engineering Practicum

Module designation	Irrigation And Drainage Engineering Practicum
Somestor(c) in which the module is	
taught	V
laugiil Derson responsible for the module	
Person responsible for the module	• Samsuar, S.TP., M.Si
	Husnul Mubarak, S.TP., M.Si.
Language	Indonesia
Relation to curriculum	Compulsory
Teaching methods	Lecture, Lab Works
Workload (incl. contact hours, self-study	Estimated) Total workload:
hours)	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	Irrigation And Drainage Eng
prerequisites for joining the module	
Module objectives/intended learning	ILO 3: Apply knowledge of mathematics, sciences, and engineering
outcomes	principles in agricultural fields; (Knowledge 1)
	ILO 4: Use auantitative analysis, information technology and critical
	thinking in agricultural engineering profession: (Knowledge 2)
	ILO 6: Use techniques, skills, and modern tools necessary for
	aaricultural enaineerina practices: (Skill 1)
Content	The student will be able to demonstrate the
	understanding of processes and phenomena in
	hydrological cycles, and also have capability to analyze
	data in all component hydroloay. This course covers: (1)
	concept of Hydrological Cycle. (2) Data Processing of
	precipitation, interception, evaporation, surface and
	subsurface flow, infiltration and percolation, and aroundwater. (3)
	Statistical hydrology and (4) Rainfall runoff Modelina.
Examination forms	Writina, oral presentation
Study and examination requirements	Attendance above 80%
Reading list	Schofield, W. & M. Breach, 2007, Engineering Surveying, Sixth Edition
	Butterworth-Heinemann Elsevier. Svdnev.

## Semester 5