



## 2023

## MODULE DESCRIPTION

BACHELOR PROGRAM
AGRICULTURAL ENGINEERING
FACULTY OF AGRICULTURE
HASANUDDIN UNIVERSITY
2023

## **Mechanical Workshop Practicum**

## Semester 4

Module designation	Mechanical Workshop Praticum
Semester(s) in which the module is taught	IV
Person responsible for the	Dr. Iqbal, STP., M.Si
module	Samsuar, STP., M.Si
Language	Indonesia
Relation to curriculum	Compulsory
Teaching methods	Writing and Lab Works
Workload (incl. contact	(Estimated) Total workload:
hours, self-study hours)	1 SKS x 1.7 = 1.7 ECTS = 45.9 hours
	• Lecture = 11.6 hours
	• Excercise = 14 hours
	• Sel study = 14 hours
	<ul> <li>Exam = 2 hours (MID term and final)</li> <li>Exam preparation = 4.3 hours</li> </ul>
	Exam preparation = 4.3 nours
Credit points	1 SKS = 1.7 ECTS
Required and	Engineering Properties of Materials
recommended	
prerequisites for joining the	
module	
Module	ILO 3: apply knowledge of mathematics, sciences, and engineering principles in
objectives/intended	agricultural fields;
learning outcomes	ILO 5: use techniques, skills, and modern tools necessary for agricultural
	engineering practices;
	ILO 7: design simple equipment, components, or processes needed in agricultural engineering operations;
	engineering operations,
Content	This course provides an opportunity for students to recognize and understand the agricultural workshop management system and introduction to workmanship
	techniques in the workshop. Coverage of the material consists of an introduction
	to equipment and work materials (wood and metal) as well as skills in (wood and
	metal) and skills in using basic equipment and welding both electric and both
	electric and carburetor welding and an introduction to piping, pneumatic and
	hydraulic systems. piping, pneumatic and hydraulic systems.
Examination forms	Writing and Lab Works
Study and examination	Completation of all laboratory reports
requirements	
Reading list	Herren, R.V.; E.L. Cooper. 2000. Agricultural Mechanics, Fundamentals and
reduing list	Therren, N.V., E.E. Cooper. 2000. Agricultural Micenailles, Fandamentals and
neduling list	Application, CENGAGE Delmar Learning
reduing list	