

2023 MODULE DESCRIPTION

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DO ZIEMI OBIECANEJ

BACHELOR PROGRAM AGRICULTURAL ENGINEERING FACULTY OF AGRICULTURE HASANUDDIN UNIVERSITY 2023

Agricultural Product Processing Engineering II

Module designation	Agricultural Product Processing Engineering II								
Semester(s) in which the	Elective								
module is taught									
Person responsible for the	Dr. Ir. Supratomo, DEA								
module	• Prof. Dr. Ir. Salengke, M.Sc								
	Prof. Dr. Ir. Mursalim								
Language	Indonesia								
Relation to curriculum	Elective								
Teaching methods	Lecture								
Workload (incl. contact	(Estimated) Total workload:								
hours, self-study hours)	2 SKS x 1.7 = 3.4 ECTS = 91.8 hours								
	• Lecture = 23.3 hours								
	• Excercise = 28 hours								
	• Set study = 28 hours								
	• Exam = 4 hours (MID term and final)								
	 Exam preparation = 8.5 hours 								
Credit points	2 SKS = 3.4 ECTS								
Required and	Food Processing Engineering								
recommended	Heat Transfer and Thermodynamics								
prerequisites for joining									
the module									
Module	IIO 3: Apply knowledge of mathematics sciences and engineering								
objectives/intended	nrincinles in garicultural fields: (Knowledge 1)								
learning outcomes	II. A: Use guantitative analysis information technology and critical								
	thinking in garicultural engineering profession: (Knowledge 2)								
	UNIXING IN agricultural engineering projession, (Knowledge 2)								
	angingering practices: (Skill 1)								
	U.O. 7: Managa and utilize agricultural resources affectively afficiently								
	and sustainably (Compotence 1)								
Contont	This source source the principles of mechanical engineering namely								
Content	This course covers the principles of mechanical engineering, namely								
	statics and aynamics, which form the joundation for designing								
	dignerations and machinery. This course covers topics such as:								
	almensions and units, the international System of Units, rigia body								
	statics, equilibrium concepts, center of mass and centrola, moment of								
	inertia, kinematics of linear motion, aynamic principles, momentum ana								
	impulse, work and energy, kinematics of curved motion, projectile								
	motion, and rotational kinematics.								
Examination forms	Writing								
Study and examination	Attendance above 80%								
requirements									
Reading list	• Tmoshenko, S and D.H. Young. Engineering Mechanics. Erlangga								
	,1990								

Elective

•	Ferdinand	Ρ.	В;	E.R.	Jahuston	and	Liong,	Т.Н.	Mechanics	for
	Engineers: Statics. 1976									