HASANUDDIN UNIVERSITY

2023 MODULE DESCRIPTION

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Wybór felietonów

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DO ZIEMI OBIECANEJ

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BACHELOR PROGRAM AGRICULTURAL ENGINEERING FACULTY OF AGRICULTURE HASANUDDIN UNIVERSITY 2023

Engineering Design

Semester 4

Module designation	Engineering Design
Semester(s) in which the	IV
module is taught	
Person responsible for the	• Dr. Ir. Abdul Waris, MT
module	• Dr. Iqbal, STP., M.Si
Language	Indonesia
Relation to curriculum	Compulsory
Teaching methods	lecture
Workload (incl. contact	 2 SKS x 1.7 = 3.4 ECTS = 91.8 hours
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	Engineering Mechanics
prerequisites for joining the	Engineering Materials Knowledge
module	Engineering Drawing
	Engineering Drawing Practicum
Module objectives/intended	• ELO 3: Apply knowledge of mathematics, sciences, and engineering principles
learning outcomes	in agricultural fields.
	• ELO 4: Use quantitative analysis, information technology and critical thinking
	in agricultural engineering profession
	• ELO 5: Use techniques, skills, and modem tools necessary for agricultural
	engineering practices.
Content	The course is designed to provide students with knowledge and skills in
	engineering design which they can apply in designing simple agricultural tools
	and equipment. This course discusses concepts, principles and procedures in
	engineering design and basic calculations for dimensions of machine element.
Examination forms	Writing and essay, etc.
Study and examination	Attendance Above 80%
requirements	
Reading list	Harsokoesoemo, H.D., 2004, Pengantar PerancanganTeknik (Perancangan
	Produk), Bandung, ITB press