

2023 MODULE DESCRIPTION

BACHELOR PROGRAM
AGRICULTURAL ENGINEERING
FACULTY OF AGRICULTURE
HASANUDDIN UNIVERSITY
2023



Physics Semester 2

Module designation	Physics
Semester(s) in which the module is taught	II
Person responsible for the module	1. Nur Hasana, 2. Maria
Language	<i>Indonesia</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Lecture</i>
Workload (incl. contact hours, self-study hours)	<p><i>(Estimated) Total workload:</i> <i>2 SKS = 3.4 ECTS = 91.8 hours</i> <i>> Lecture = 23.3 hours</i> <i>> Exercise = 28 hours</i> <i>> Sel Study = 28 hours</i> <i>> Exam = 4 hours (MID term and final)</i> <i>>Exam preparation= 8.5 hours</i></p>
Credit points	Lecturer assessment: assignment 10%, Presentation 50%, Laboratory work 20%, examination
Required and recommended prerequisites for joining the module	
Module objectives/intended learning outcomes	1. Having a comprehensive understanding on the theoretical concept and principle of food science and technology in a broad sense (humanity, basic, and applied science) to support their expertise in food science and technology. 2. Capable to make decision strategic in food science and technology based on scientific data and information.
Content	This module delivers material about kinematic and dynamic of objects, work and energy, fluid, elasticity, heat and temperature, coulomb law and electric field, electrical current and circuits, wave and fibration, optics and its tools, modern physics.
Examination forms	
Study and examination requirements	Study form are group project, laboratory sessions, lectures, and lessons. Examination form is written exam, project work, laboratory session or essay writing. During written exam, student is not allowed to use textbooks. During laboratory session, a student must available logbook and showed written report of practical experiments of what has been taught in lecture or
Reading list	Handbook of Basic of Physics. TIM Dosen Universitas Hasanuddin 2017