HASANUDDIN UNIVERSITY

Agricultural Engineering
Bachelor Program

2023
MODULE DESCRIPTION

BACHELOR PROGRAM
AGRICULTURAL ENGINEERING
FACULTY OF AGRICULTURE
HASANUDDIN UNIVERSITY
2023

Agricultural Product Processing Technology I

Semester 4

Module designation	*Agricultural Product Processing Engineering I*
Semester(s) in which the module is taught	*IV*
Person responsible for the module	*Prof. Dr. Ir. Mursalim* *Diyah Yumeina, STP.,M.Agr.,Ph.D.*
Language	*Indonesia*
Relation to curriculum	*Compulsory*
Teaching methods	*Lecture*
Workload (incl. contact hours, self-study hours)	*(Estimated) Total workload:* *2 SKS x 1.7 = 3.4 ECTS = 91.8 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 prerequisites for joining the module	*Engineering Mathematics I* *Engineering Properties of Materials* *Heat Transfer and Thermodynamics*
Module objectives/intended learning outcomes	*ILO 3: Apply knowledge of mathematics, sciences, and engineering principles in agricultural fields; (Knowledge 1)* *ILO 4: Use quantitative analysis, information technology and critical thinking in agricultural engineering profession; (Knowledge 2)* *ILO 5: Use techniques, skills, and modern tools necessary for agricultural engineering practices; (Skill 1)* *ILO 7: Manage and utilise agricultural resources effectively, efficiently, and sustainably; (Competence 1)*
Content	*This course provides to introduce and provide students with an understanding of post-harvest and processing aspects of agricultural and plantation products. This course will contribute to the achievement of Graduate Learning Outcomes #3, #4, #5, and #7.*
Examination forms	*Writing exam*
Study and examination requirements	*Attendence above 80%*
Reading list	*>Agricultural Process Engineering* *> CIGR Handbook Volume 4: Agro-Processing Engineering* *> Solar Drying Technology* *> Handbook of coffee Processing* *> Coffee Planting, Production, and Processing* *> Chocolate, Cocoa, and Confectionery* *> An Introduction to rice grain technology* *> Postharvest Handling: A Systems Approach*