BACHELOR IN FOOD & AGRICULTURAL PRODUCT TECHNOLOGY

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MODULE HANDBOOK CHEMISTRY II (ORGANIC)

Module	Chemistry II (Organic)				
designation					
Module code	TPHP211203				
Module level	Bachelor				
Semester(s) in	Semester 2 / Even Semester				
which the module					
is taught					
Person responsible	Prof. Drs. Sabirin Matsyeh, Ph.D.				
for the module	Prof. Dr. Drs. Winarto Haryadi, M.Si.				
	Prof. Tri Joko Raharjo, S.Si., M.Si., Ph.D.				
	Prof. Dra. Tutik Dwi Wahyuningsih, M.Si., Ph.D.				
Language	Indonesian				
Relation to	Compulsory Courses				
curriculum					
Teaching methods	Case-based learning				
Workload (incl.	1. Lectures				
contact hours,	2 credits x 50 minutes x 16 meetings = 1600 minutes				
self-study hours)	= 26.67 hours				
	= 26.67 hours/30 hours				
	= 0.89 ECTS				
	2. Structured Assignments				
	2 credits x 60 minutes x 16 meetings = 1920 minutes				
	= 32 hours				
	= 32 hours/30 hours				
	= 1.07 ECTS				
	3. Self-study				
	2 credits x 60 minutes x 16 meetings = 1920 minutes				
	= 32 hours				
	= 32 hours/30 hours				
	= 1.07 ECTS				
	Total workload = 3.03 ECTS (90.67 hours)				

Credit points	2 credits / 3.03 ECTS				
Required and	No requirement needed				
recommended					
prerequisites for					
joining the module					
Module	Programme Learning Outcome (PLO)				
objectives/intende	PLO P1	Be able to explain the structure and properties of food			
d learning	components / agricultural products (carbohydrates,				
outcomes		proteins, lipids, water, other components, and food			
		additives) and chemical changes that occur during			
		processing			
		Module Learning Outcome (MLO)			
	MLO P1.2	Be able to explain the chemical events that underlie the			
		reactions of various for	various food components		
Content	1				
Examination	Evaluation Base	Evaluation	MLO	Percentage	
forms		Components			
	A. Participatory	Discussion			
	Activities				
	B. Case Study	Presentation			
	Results	Report			
		Midterm Exam			
		Final Exam			
	C. Cognitive	Skill-Based			
		Assessment (SBA)			
		Quiz			
		Midterm Exam			
		Final Exam			
		Total		100%	
Study and	The final grade in the module is composed of (% participatory activities,				
examination	% project results, and% cognitive). Students must attend 75% of the				
requirements	total meetings to take the exam.				
Reading list	1				
Last Modified	January 31 st , 2025				