

420224701 Food Crops and Horticulture Technology

Module Name	Food Crops and Horticulture Technology
Module Level, if applicable	Advanced
Code if Applicable	420224701
Subtitle, if applicable	-
Courses, if applicable	420224701 Food Crops and Horticulture Technology
Semester(s) in which the module is taught	6 th
Person responsible for the module	Afifa Husna, STP., MTP., M.Sc
Lecturer	Desiana Nuriza Putri, S.TP., M.Sc.
Language	Indonesian
Relation to curriculum	Elective Course for undergraduate program in Department of Food Technology, Faculty of Agriculture and Animal Science
Type of teaching	Lecture, project
Workload	<ul style="list-style-type: none"> • Lecture: 2 SKS X 50 minutes X 16 weeks • Project: 2 SKS X 60 minutes X 16 weeks • Independent learning: 2 SKS X 60 minutes X 16 weeks
Credit points	2 SKS X 1.5 = 3 ECTS
Requirements according to the examination regulations	<ol style="list-style-type: none"> 1. Registered in this course 2. Minimum 80% attendance in this course
Recommended prerequisites	Postharvest Physiology and Technology
Module Objectives (Intended learning outcomes)	<p>On completion of this course, student should be able to :</p> <ul style="list-style-type: none"> • Understand the principles of crop cultivation and horticultural practices. • Explore advanced technologies for enhancing crop yield and quality. • Analyze the impact of environmental factors on plant growth and development. • Develop skills in precision agriculture and greenhouse management. • Apply knowledge to optimize production systems for sustainable food and ornamental crop cultivation.

Module Content	Students delve into the intricacies of crop cultivation and horticultural practices. Through theoretical study, students gain insight into advanced technologies aimed at optimizing yield, quality, and sustainability in agricultural production systems.
Study and examination requirements and forms of examination	Cognitive: Midterm exam, Final exam, Quizzes, Assignments Affective: Assessed from the element /variables achievement, namely (a) Contributions (attendance, active, role, initiative, and language), (b) Being on time, (c) Effort.
Media employed	Presentation, white board
Recommended Literature	A. Compulsory <ol style="list-style-type: none"> 1. Pekkeriet, E. J., Van Henten, E. J., & Campen, J. B. 2015. Contribution of innovative technologies to new developments in horticulture. <i>Acta Hortic, 1099</i>, 45-54. 2. Baimey, H.K., Hamamouch, N. and Kolombia, Y.A. eds., 2020. Horticultural crops. BoD–Books on Demand. B. Option <ol style="list-style-type: none"> 1. Videos from Youtube related to the Food Crops and Horticulture Technology 2. National and international journals relate to Food Crops and Horticulture Technology
Date of Last Amendment	22 nd April 2024