

420225743 Food Waste Management Technology

Module Name	Food Waste Management Technology
Module Level, if applicable	Advanced
Code if Applicable	420225743
Subtitle, if applicable	-
Courses, if applicable	420225743 Food Waste Management Technology
Semester(s) in which the module is taught	6 th
Person responsible for the module	Afifa Husna, STP., MTP., M.Sc
Lecturer	Okta Pringga Pakpahan, S.P., M.Agr
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	Food Regulation
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 multifaceted impacts of food waste. • Identify and analyze the root causes of food waste. • Explore diverse strategies for waste reduction. • Develop practical skills in waste auditing and analysis. • Advocate for sustainable food systems and policy changes to mitigate food waste

<p>Module Content</p>	<p>This course includes comprehensive exploration of strategies and solutions aimed at reducing food waste at various stages of the supply chain. Through rigorous study of waste auditing methodologies, policy analysis, and innovative technologies, students will develop a nuanced understanding of the economic, environmental, and social implications of food waste. By examining case studies and collaborating on practical projects, students will emerge equipped with the knowledge and skills necessary to implement effective waste reduction initiatives and contribute to a more sustainable future</p>
<p>Study and examination requirements and forms of examination</p>	<p>Cognitive: Midterm exam, Final exam, Quizzes, Report of Practicum, Assignments Affective: Assessed from the element/variables achievement, namely (a) Contributions (attendance, active, role, initiative, and language), (b) Being on time, (c) Effort.</p>
<p>Media employed</p>	<p>Classical teaching tools with white board and powerpoint presentation</p>
<p>Recommended Literature</p>	<p>A. Compulsory</p> <ol style="list-style-type: none"> 1. Närvänen, E., Mesiranta, N., Mattila, M., & Heikkinen, A. 2020. Food waste management. <i>Springer International Publishing, Cham.</i> 2. Martin-Rios, C., Demen-Meier, C., Gössling, S., & Cornuz, C. 2018. Food waste management innovations in the foodservice industry. <i>Waste management</i>, 79, 196-206. 3. Giroto, F., Alibardi, L., & Cossu, R. 2015. Food waste generation and industrial uses: A review. <i>Waste management</i>, 45, 32-41. <p>B. Option</p> <ol style="list-style-type: none"> 1. Videos from Youtube related to the waste management 2. National and international journals related to food waste management and technology
<p>Date of Last Amendment</p>	<p>22nd April 2024</p>