



Subject Module
 Department of Agrotechnology
 Faculty of Agriculture
 University of Islam Malang

Module Handbook

Module Title	Food Crop Cultivation Technology
Module Level	Undergraduate Study Program of Agrotechnology
Course Code	MKW 60610
Headings	-
Course (MK)	Food Crop Cultivation Technology
Semester	IV
Course Coordinator	Ir. Siti Muslikah, MP.
Teaching Team	Ir. Maria Ulfah, MP.
Language of Instruction	Indonesian language/English
Linkages with the Curriculum	Study Program: Agrotechnology Specialization: Agrotechnology Type: Compulsory/elective
Learning Methods and Duration	1. Lecture: 100 minutes/meeting (14 meetings) 2. Practicum 170 minutes/meeting (14 meetings) 3. Structured Assignments/individual and group Assignments presentation
Student Study Load	1. Lecture: 100 minutes/meeting (14 meetings) 2. Practicum: 170 minutes/meeting (14 meetings) 3. Structured: Assignments/quiz/group presentation 4. Attendance: 75% of total attendance
Credit Weight	3 credits or 5.1 ECTS
Requirements for Passing the Course	<ul style="list-style-type: none"> • Attendance > 75% • The final score of all the components of the learning evaluation > 44 The final score component: <ul style="list-style-type: none"> • 20% Midterm Exam • 20% Final Exam • 30% Practicum • 20% Structured Assignments (individual and group) • 10% Presence
Prerequisite Courses	-
Learning Out comes	The expected learning out comes are: <ol style="list-style-type: none"> 1. Have good and deep knowledge in the field of basic agricultural science that supports Agrotechnology (ILO 3) 2. Able to apply agricultural practices based on <i>Good Agricultural Practices</i> (ILO 8) 3. Able to use tools, methods, and processes to solve various field problems in agriculture (ILO 6) 4. Have an attitude of creative and innovative thinking in their work in accordance with professional ethics in the field of agriculture (ILO 1)
Learning Content	After completing this course students are able to: <ol style="list-style-type: none"> 1. study the science of food crop cultivation 2. carry out cultivation and post-harvest handling of food crops 3. assess the success rate of food crop cultivation with the applicable standard method

	<p>The topics include:</p> <ol style="list-style-type: none"> 1. Introduction, systematics/botany, parts of the rice plant, growth and development of the rice plant 2. Growing conditions and seeds as well as various varieties of rice plants 3. Fertilizer and fertilization for rice plants as well as pests and disease of rice plants 4. Cultivation system for lowland rice, upland rice, and tidal rice 5. Corn cultivation 6. Sorghum cultivation 7. Peanut cultivation 8. Soybean cultivation 9. Green beans cultivation 10. Yam cultivation 11. Cassava cultivation
Test Terms and Forms	<p>Examination requirements: A minimum of 75 % attendance to attend the final exam</p> <p>Forms of examination: Essay</p>
Learning Media	<p>Projector and screen, Zoom application, LMS of UNISMA (Daring UNISMA), e-book, Whatsapp Group</p>
References	<p>Main References :</p> <ol style="list-style-type: none"> 1. Pedoman Pelaksanaan Kegiatan Padi. Kementan. Dirjen Tanaman Pangan (2017) 2. Pedoman Pelaksanaan Program Kegiatan Pengelolaann Produksi Aneka Kacang dan Umbi. Kementan. Dirjen Tanaman Pangan (2017) 3. Sorgum. Inovasi Teknologi dan Pengembangan. Balitbang Pertanian. Kementan (2013) 4. Juknis Usahatani Sorgum. Balitbang Pertanian. Kementan (2013) 5. Pedoman Umum PTT Jagung. Balitbang Pertanian. Kementan (2016) 6. http://tanamanpangan.pertanian.go.id/index.php/artikel/petunjuk_teknis_tahun_2017/74 7. https://www.youtube.com/watch?v=b8FT9W6xApE 8. https://www.youtube.com/watch?v=WlfnpZ5peXQ 9. https://www.youtube.com/results?search_query=budidaya+tanaman+padi+pasang+surut 10. https://www.youtube.com/results?search_query=budidaya+jagung 11. https://www.youtube.com/results?search_query=budidaya+sorgum 12. https://www.youtube.com/results?search_query=budidaya+tanaman+kacang-kacangan 13. https://www.youtube.com/results?search_query=budidaya+tanaman+ubi-ubian <p>Supporting References :</p> <ol style="list-style-type: none"> 1. Agronomy Journal