



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

Module Handbook

Module Title	Landscape architecture
Module Level, if available	Undergraduate Study Program of Agrotechnology
Course Code	MKP 60607
Headings, if available	-
Course (MK)	Landscape architecture
Semester	7
Course Coordinator	Ir. Indiyah Murwani, MP
Teaching Team	-
Language of instruction	Indonesian language/English
Linkages with the Curriculum	Study Program : Agrotechnology Specialization: Agrotechnology Type: Compulsory /elective
Learning Methods and Duration	<ol style="list-style-type: none"> 1. Lecture: 100 minutes/meeting (9 meetings) 2. Practicum 170 minutes/meeting (5 meetings) 3. Structured Assignments/individual and group Assignments presentation
Student Study Load	<ol style="list-style-type: none"> 1. Lecture: 100 minutes/meeting (9 meetings) 2. Practicum: 170 minutes/meeting (5 meetings) 3. Structured Assignments/quiz/group presentation 4. Attendance: 75% of total attendance
Credit Weight	2 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 <p>The final score component:</p> <ul style="list-style-type: none"> • 25% Midterm Exam • 25% Final Exam • 20% Practicum • 20% Structured Assignments (individual and group) • 10% Presence
Prerequisite Courses	Horticulture Cultivation Technology
Learning Outcomes	<p>The expected learning outcomes are:</p> <ol style="list-style-type: none"> 1. Have an attitude of creative and innovative thinking in their work in accordance with professional ethics in the field of agriculture (ILO 1) 2. Have good and deep knowledge in the field of basic agricultural science that supports Agrotechnology (ILO 3) 3. Able to work independently or in a team, and use various methods of communication. (ILO 4) 4. Able to solve problems that arise in the field of agrotechnology and related fields of science (ILO 5).

Learning Content

After completing this course students are able to:

1. Understand the theoretical concepts of the architecture of landscapes
2. Do making landscape planning and design
3. Perform landscape practice.
4. Perform garden maintenance

The topics include:

1. Introduction
 - Definition of landscape
 - landscape function
 - landscape type
2. Design elements of landscape architecture:
 - Soft landscape elements
 - Hard landscape elements
 - Landscape Design Elements
 - Period
 - Line
 - Form
 - Color
 - Texture
 - Scent
 - Sound
 - variety
 - Space and time
3. Landscape Design Principles
 - Themes
 - Balance
 - Scale
 - Rhythm
 - Caution point
4. Cost of making landscape:
 - How to calculate costs
 - How to save costs
5. Landscape planning
 - Inventory
 - Synthesis Analysis
 - Concept
 - Design
6. Horticultural requirements and plant growth patterns
 - Plant growth patterns
 - Requirements for horticultural plants for garden design
7. Introduction to soil types and tillage:
 - Introduction to soil types
 - Tillage for landscape
 - Making drainage
8. Planting Technique:
 - Grass plants
 - Cover crop
 - Hedgerows
 - Water plants
 - Potted plants and repotting
 - Shrubs
 - Tree plants
9. Landscape building
 - floor
 - footpath

	<ul style="list-style-type: none"> • Wall • fence • gazebo / shelter • Pergola • ornamental pond / fish • landscape bench • tub of plants • trash bin • Garden lamp • flagpole <p>10. Implementation of landscape creation</p> <ul style="list-style-type: none"> • Preparation • Landscape pattern setting • Construction • Planting • Cleaning <p>11. Dry landscape</p> <ul style="list-style-type: none"> • Dry landscape definition • Dry landscape requirements • Characteristics of dry landscape • Selection of plants • Treatments • Dry landscape concept <p>12. Maintenance of landscape:</p> <ul style="list-style-type: none"> • Area cleaning • Sprinkling • Embroidery • Fertilization • Pruning • Soil burrowing • Pest and disease control
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, Google Classroom, WA Group</p>
References	<p>Main References : Sulistyantara, B, 1995. Taman Rumah Tinggal. Penebar Swadaya. Jakarta</p> <p>Supporting References:</p> <ol style="list-style-type: none"> 1. Anonymous, 1996. Bahan Ajar Kursus Program Terampil Desain Taman. Malang 2. Nurhayati Arifin HS dan Arifin HS, 1995. Pemeliharaan Taman. Penebar Swadaya. Jakarta 3. -----, 2000. Taman Dalam Ruang. Penebar Swadaya. Jakarta 4. Hakim, R, 1993, Unsur Perancangan Dalam Arsitektur Lansekap. Bumi Aksara. Jakarta 5. Hariyanto, 1996. Taman Untuk Rumah Berhalaman Sempit. Trubus Agrisarana. Surabaya 6. Suseno, S, 1995. Taman Indah Halaman Rumah. Gramedia Pustaka Utama. Jakarta 7. David Stevens and Ursula Buchan, 2001. The Royal

	<p>Horticultural Society Garden Book, Conran Octopus,</p> <ol style="list-style-type: none">8. https://youtu.be/I0HBR6ALdOA (cara semai rumput dari biji)9. https://youtu.be/egWJWbq21AQ (cara tanam rumput)10. https://youtu.be/u4huXtovu0s (cara membuat taman mini)
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