

## Description Course of Forestry Investment

<b>1. Course Name:</b>					
Forestry investment					
<b>2. Course code :</b>					
FOIN398					
<b>3.Semester/Year:</b>					
First Semester /Third Stage/2024 – 2025					
<b>4.The date this description was prepared :</b>					
1/9/2024					
<b>5. 5-Available forms of attendance</b>					
blended learning					
<b>6.Number of study hours (total)/number of units (total)</b>					
2 hours theoretical/ 3 hours practical (5 hours)/3.5 units					
<b>7.Name of the course administrator (if more than one name is mentioned) :</b>					
Msc. Munther Younis Mohammed / Nazri					
Dr. Karam Ali Younis / Practical					
<b>8 Course Objectives</b>					
<ul style="list-style-type: none"> <li>Recognize concepts in forestry investment</li> <li>Familiar with investment processes and ways to perform them</li> <li>Understand factors influencing tree selection for cutting</li> <li>Knows the selection of the projection direction of the tree and the projection process technique</li> <li>Determines the process of chopping down the projected trees and measuring them for the purpose chopping</li> <li>Determines how to cut the tree to a larger size and how to cut it to a higher value</li> <li>Identifies the technique of removing tree branches and the process of peeling the foreskin</li> <li>Concludes preventive measures and measures to reduce the impact of climatic events</li> <li>Familiarity with the concept of the initial transfer from all sides</li> <li>Determines the measurement of wooden logs and the process of classifying them</li> <li>Identifies methods of drying wood</li> </ul>					
<b>9 - Teaching and learning strategies</b>					
- Interactive lecture		- Practical exercises			
- Brainstorming		- Assigning specific tasks and preparing reports on them			
- Dialogue and Discussion		- Self-learning			
<b>10 10. Course Structure</b>					
Week	Hours	Learning outcomes required for the program*	Unit or Topic Name	Learning method	Valuation Method
1	2 Theoretical	A1: Concepts in forestry investment	The importance of investment processes, forest investment plan, investment as a development work	Interactive lecture, brainstorming , dialogue and discussion , self-learning	- A midterm A final test

	3 Practical	A1: Concepts in forestry investment	Forest investment Forest investment plan Balance between investment stages	Interactive lecture, brainstorming , dialogue and discussion , self-learning , laboratory training	"Little Things." Little taste. Yeah, let's run "Little Things."
2	2 Theoretical	A2: Investment operations and methods of payment	Factors influencing the choice of method of work, level or degree of investment, Voluntary Investment	Interactive lecture, brainstorming , dialogue and discussion , self-learning	- A midterm A final test
	3 Practical	B1 : Dropping forest trees	Marking trees for the purpose of dropping Practical experience in marking trees for the purpose of dropping	Interactive lecture, brainstorming , dialogue and discussion , self-learning , laboratory training	- A midterm Laboratory test
3	2 Theoretical	A3: Dropping forest trees	Factors affecting the selection of trees for cutting, marking trees for the purpose of dropping , organizing teams and dropping yards	Interactive lecture, brainstorming , dialogue and discussion , self-learning	- A midterm A final test
	3 Practical	A2: Dropping forest trees	Choose the direction to drop the tree Practical experience in choosing the direction to fall the tree	Interactive lecture, brainstorming , dialogue and discussion , self-learning , laboratory training	- A midterm Laboratory test
4	2 Theoretical	A4: Dropping forest trees	Projection Direction Selection, Projection Process Technique	Interactive lecture, brainstorming , dialogue and discussion , self-learning	- A midterm A final test
	3 Practical	B2 : Dropping forest trees	Projection equipment and tools In the laboratory, familiarization with projection equipment and tools	Interactive lecture, brainstorming , dialogue and discussion , self-learning , laboratory training	- A midterm Laboratory test
5	2 Theoretical	A5 : Cutting down fallen trees	Measuring for slicing, slicing for a larger size, slicing for a higher value	Interactive lecture, brainstorming , dialogue and discussion , self-learning	- A midterm A final test
	3 Practical	A3: Dropping forest trees	Projection technique Practical experience in the technique of projection and front and back cutting	Interactive lecture, brainstorming , dialogue and discussion , self-learning , laboratory training	- A midterm Laboratory test
6	2 Theoretical	B1 : Cutting down fallen trees	Basal and medial defect cutting, medial defect cutting, cutting	Interactive lecture, brainstorming ,	- A midterm A final test



	1		process technique	dialogue and discussion , self-learning	
	3 Practical	B3 : Cutting down fallen trees	Measuring logs for cutting purposes Practical experience in the process of measuring logs for the purpose of cutting	Interactive lecture, brainstorming , dialogue and discussion , self-learning , laboratory training	- A midterm Laboratory test
7	2 Theoretical	B2 : Cutting down fallen trees	Removing tree branches, the process of removing foreskin	Interactive lecture, brainstorming , dialogue and discussion , self-learning	- A midterm A final test
	3 Practical	A4: Cutting down fallen trees	Cutting the logs to obtain a larger size Practical experience with cutting logs for the purpose of obtaining a larger size	Interactive lecture, brainstorming , dialogue and discussion , self-learning , laboratory training	- A midterm Laboratory test
8	2 Theoretical	B3 : Initial Transportation	The distance of the primary transport , the primary means of transport, the factors affecting the choice of the primary means of transport	Interactive lecture, brainstorming , dialogue and discussion , self-learning	- A midterm A final test
	3 Practical	A5 : Cutting down fallen trees	Cutting logs for the purpose of obtaining a higher value Practical experience in cutting logs for the purpose of obtaining a higher value	Interactive lecture, brainstorming , dialogue and discussion , self-learning , laboratory training	- A midterm Laboratory test
9	2 Theoretical	A6: Initial transportation	How to transport trees, stacking yards	Interactive lecture, brainstorming , dialogue and discussion , self-learning	- A midterm A final test
	3 Practical	A6: Cutting down fallen trees	Cutting and removing the basal and medial defect Practical experience in cutting and removing basal and medial defects	Interactive lecture, brainstorming , dialogue and discussion , self-learning , laboratory training	- A midterm Laboratory test
10	2 Theoretical	B4 : Measurement and classification of trunks	Measurement of trunks by weight, measurement of trunk volumes, trunk classification systems	Interactive lecture, brainstorming , dialogue and discussion , self-learning	- A midterm A final test
	3 Practical	A7: Cutting down fallen trees	How to remove tree branches Practical experience on how to remove tree branches	Interactive lecture, brainstorming , dialogue and discussion , self-learning	- A midterm Laboratory test

				laboratory training	
11	2 Theoretical	A7: Drying and evaporation of wood	Drying Methods, Air Drying Accelerated Air Drying, Oven Drying	Interactive lecture, brainstorming , dialogue and discussion , self-learning	- A midterm A final test
	3 Practical	A8 : Cutting down fallen trees	How to remove dandruff Practical experience on how to remove bark	Interactive lecture, brainstorming , dialogue and discussion , self-learning , laboratory training	- A midterm Laboratory test
12	2 Theoretical	B5: Drying and evaporation of wood	Defects of drying, drying test	Interactive lecture, brainstorming , dialogue and discussion , self-learning	- A midterm A final test
	3 Practical	A9: Measurement and classification of trunks	Measure the sizes of wood logs Practical experience in measuring the sizes of wooden logs	Interactive lecture, brainstorming , dialogue and discussion , self-learning , laboratory training	- A midterm Laboratory test
13	2 Theoretical	A8 : Drying and evaporation of wood	Defects associated with fungal infections, Defects associated with chemical changes in wood	Interactive lecture, brainstorming , dialogue and discussion , self-learning	- A midterm A final test
	3 Practical	A10 : Scientific visit	Scientific visit to log yards	Interactive lecture, brainstorming , dialogue and discussion , self-learning , laboratory training	- A midterm Laboratory test
14	2 Theoretical	A9: Wood corrosion and preservation	Microbiological erosion, erosion by insects	Interactive lecture, brainstorming , dialogue and discussion , self-learning	- A midterm A final test
	3 Practical	B4 : Defects associated with wood drying	Defects associated with fungal infections Laboratory identification of some wood models that contain defects associated with fungal infections	Interactive lecture, brainstorming , dialogue and discussion , self-learning , laboratory training	- A midterm Laboratory test
15	2 Theoretical	A10 : Wood corrosion and preservation	Wood Preservation Methods, Wood Preservatives	Interactive lecture, brainstorming , dialogue and discussion , self-learning	- A midterm A final test
	3 Practical	B5: Wood corrosion and	Microbiological corrosion Laboratory identification of	Interactive lecture, brainstorming ,	- A midterm



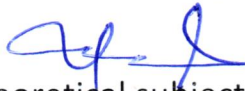
		preservation	some wooden models affected by microbiological corrosion	dialogue and discussion , self-learning , laboratory training	Laboratory test
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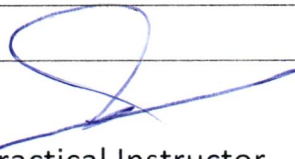
## 11 Course Evaluation

This service allows customers to issue a permit	evaluation methods	Calendar Appointment ( Week )	Degree	Relative Weight%
1	Report I	Week 4	2.5	2.5
2	Weather Report - %1 - %2	Week 5	2.5	2.5
3	Quiz (1)	Week 6	2	2
4	Quiz 2 (Islamic Translation)	Week 4	2	2
5	Quiz (3)	Week 5	1	1
6	- A midterm?	Week 6	7.5	7.5
7	- A midterm?	Week 11	7.5	7.5
8	Final theoretical test	senior year	40	40
9	Practical Field Drawing	Week 5	5	5
10	Laboratory assessment	Week 3	2	2
11	Practical Quiz (1) Quiz	Week 1	1	1
12	Practical Quiz (2) Quiz	Week 4	0.5	0.5
13	Practical Quiz (3) Quiz	Week 4	1	1
14	Direct Drawings and Homework	Weeks 6, 8,9,10,11,12 and13	5.5	5.5
15	Final Practical Test	senior year	20	20
	Total	100	100%	100%

## 12 Learning and Teaching Resources

Required textbooks ( methodology if any )	Forest Investment Book – Riyadh Saleh Al-Khafaf – Walid Abboudi Kassir – Bassem Abbas Abd Ali – 1993
Key References ( Sources)	Forest Products and Utilization Prof.111 Jeetram Department of Forestry and Environmental Science,
Recommended supporting books and references (scientific journals, reports... )	
E-References , Websites	

  
Theoretical subject teacher  
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