

## Description Course of Forestry Investment

1. Course Name:
Forestry investment
2. Course code :
FOIN398
3.Semester/Year:
First Semester /Third Stage/2023-2024
4.The date this description was prepared :
1/9/2023
5. 5-Available forms of attendance
In-Person
6.Number of study hours (total)/number of units (total)
2 hours theoretical/ 3 hours practical (5 hours)/3.5 units
7.Name of the course administrator (if more than one name is mentioned) :
Msc. Munther Younis Mohammed / Nazri Dr. Karam Ali Younis / Practical
8 Course Objectives
<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 purpose of 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>
9    UNTRANSLATED_CONTENT_START   التعليم استراتيجيات
والتعلم   UNTRANSLATED_CONTENT_END
<ul style="list-style-type: none"> <li>- Interactive lecture</li> <li>- Brainstorming</li> <li>- Dialogue and Discussion</li> <li>-    UNTRANSLATED_CONTENT_START   التدريب</li> <li>-    UNTRANSLATED_CONTENT_END   </li> </ul>
<ul style="list-style-type: none"> <li>- Practical exercises</li> <li>- Assigning specific tasks and preparing reports on them</li> <li>- Self-learning</li> <li>- الميداني</li> </ul>

## 10 10. Course Structure

Week	Hours	Learning outcomes required for the program*	Unit or Topic Name	Learning method	Valuation Method
1	2 Theoretical 1	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		Interactive lecture, brainstorming , dialogue and discussion , self-learning , laboratory training	"Little Things." Little taste. Yeah, let's run "Little Things."
2	2 Theoretical 1	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		Interactive lecture, brainstorming , dialogue and discussion , self-learning , laboratory training	- A midterm? Laboratory test
3	2 Theoretical 1	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		Interactive lecture, brainstorming , dialogue and discussion , self-learning , laboratory training	- A midterm? Laboratory test
4	2 Theoretical 1	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		Interactive lecture, brainstorming , dialogue and discussion , self-learning , laboratory training	- A midterm? Laboratory test
5	2 Theoretical 1	A5 : Cutting down fallen trees	Measuring for slicing, slicing for a larger size, slicing for a higher value	Interactive lecture, brainstorming , dialogue and	- A midterm? A final test

				discussion , self-learning	
	3 Practical	A3: Dropping forest trees		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 process technique	Interactive lecture, brainstorming , dialogue and discussion , self-learning	- A midterm? A final test
	3 Practical	B3 : Cutting down fallen trees		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		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		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		Interactive lecture, brainstorming , dialogue and discussion , self-learning , laboratory training	- A midterm? Laboratory test

10	2 Theoretical 1	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		Interactive lecture, brainstorming , dialogue and discussion , self-learning , laboratory training	- A midterm? Laboratory test
11	2 Theoretical 1	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		Interactive lecture, brainstorming , dialogue and discussion , self-learning , laboratory training	- A midterm? Laboratory test
12	2 Theoretical 1	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		Interactive lecture, brainstorming , dialogue and discussion , self-learning , laboratory training	- A midterm? Laboratory test
13	2 Theoretical 1	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		Interactive lecture, brainstorming , dialogue and discussion , self-learning , laboratory training	- A midterm? Laboratory test
14	2 Theoretical 1	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		Interactive lecture, brainstorming , dialogue and	- A midterm? Laboratory test

				discussion , self-learning , laboratory training	
15	2 Theoretical 1	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 preservation		Interactive lecture, brainstorming , dialogue and discussion , self-learning , laboratory training	- A midterm? Laboratory test

### 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 )	<b>Forest Investment Book – Riyadh Saleh Al-Khafaf – Walid Abboudi Kassir – Bassem Abbas Abd Ali - 1993</b>
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  
Eng. Munther Younis Mohammed

Practical Instructor  
Prof. Dr. Karam Ali Younis

President of the Scientific Committee  
Prof. Dr. Mohammed Younis Al-Alaf

Head of Forest Science Department  
Prof. Dr. Muzahim Saeed Younis