

Course Description Form

1. Course Name:					
Plant classification					
2. Course Code:					
PLCL218					
3. Semester / Year:					
First Semester / 2023-2024(Autumn semester)					
4. Description Preparation Date:					
1/2/ 2024					
5. Available Attendance Forms:					
Attendance					
6. Number of Credit Hours (Total) / Number of Units (Total)					
2 Theory + 3 practical / 3.5 units(75 hours)					
7. Course administrator's name (mention all, if more than one name)					
Name: Dr. Shahla Abd alrazzak basheer					
Email: shahla_abdalrazak@uomosul.edu.iq					
8. Course Objectives					
Theory :			Practical :		
<ul style="list-style-type: none"> - Developing the student's ability to deal with scientific and technical means - Developing the student's ability to deal with the Internet - Developing the student's ability to deal with multiple media. - Developing the student's ability to dialogue and discuss 			<ul style="list-style-type: none"> -Developing the student's ability to deal with multiple media. - Developing the student's ability to dialogue and discuss 		
Developing the student's ability to deal economically in the field the job.					
9. Teaching and Learning Strategies					
Strategy		<ul style="list-style-type: none"> -Interactive lecture, Brainstorming, - Dialogue and discussion, - Assigning tasks and reporting - Assigning group work to reveal leadership skills 			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2Theory 3 Pract.	Theory: a1: Learn about the principles and foundations of plant division practical : a9: Learn how to collect, dry, and load plant specimens into the herbarium. Use the necessary tools to collect data	Theory: Some scientific terms in the field of natural pastures practical : Definition of natural and artificial grasslands	Theory : -Auditory methods -Style of writing on The blackboard. -Direct dialogue style Practical : Assigning tasks and reports	Exams, Homework, Reports

2	2Theory 3 Pract	Theory: a2: Familiar with some terms Divisionism practical : A10: Recognizes papers – Definition of paper - composition of paper - Understands the arrangement of leaves on the stem - uses and sees models and paintings Concerning simple and compound securities Arrange the leaves on the stem	Theory: Objectives of plant division science and its relationship with other sciences Practical: Vegetative characteristics of plants	Theory : -Auditory methods -Style of writing on The blackboard. -Direct dialogue style Practical : Assigning tasks and reports	Exams, Homework, Reports
3	2Theory 3 Pract	Theory: : a4 recognizes the stages and the eras through which the science of division passed practical ; a11, b2: recognize the cards - Types of veins in relation to the shape of the blade - Shows the types of veins With respect to the edge of the blade - regulated Introductory panels about leaf shapes	Theory: A historical overview of science Plant division Practical: Vegetative characteristics of plants	Theory : -Auditory methods -Style of writing on The blackboard. -Direct dialogue style Practical : Assigning tasks and reports	Exams, Homework, Reports
4	2Theory 3 Pract	Theory: e3: Identifying the foundations of plant evolution and the basic trends of evolution practical : a12: Identify the grading system in the paper - experiment with models and paintings about it Vein shapes	Theory: The foundations of plant evolution and the basic trends of evolution Practical: Vegetative characteristics of plants	Theory : -Auditory methods -Style of writing on The blackboard. -Direct dialogue style Practical : Assigning tasks and reports	Exams, Homework, Reports
5	2Theory 3 Pract	Theory: a3: Determines the taxonomic ranks Major and minor practical : a13: Identify the flower - structure Flower - draws and shows symmetry In flower - arrangement of flowers – Floral quadrature – tamechem in flowers	Theory: Taxa classifications Practical Reproductive traits	Theory : -Auditory methods -Style of writing on The blackboard. -Direct dialogue style Practical : Assigning tasks and reports	Exams, Homework, Reports
6	2Theory 3 Pract	Theory: b1: Uses scientific names The correct one Practical : a14: Recognizes unlimited inflorescences - limited inflorescences - is	Theory: principles of botanical nomenclature Practical: Reproductive traits	Theory : -Auditory methods -Style of writing on The blackboard. -Direct dialogue	Exams, Homework, Reports

		familiar with methods of studying floral squares. integration between them		style Practical : Assigning tasks and reports	
7	2Theory 3 Pract	Theory: a5 : Choose one of classification systems The practical : a15: Identify fruits - types Fruits – other auxiliary qualities According to classification - branches – bark	Theory: Modern classification systems (Common classification systems in the world) Practical: Reproductive traits	Theory : -Auditory methods. -Style of writing on The blackboard. -Direct dialogue style Practical : Assigning tasks and reports	Exams, Homework, Reports
8	2Theory 3 Pract	Theory: c1: Explains the most important diagnostic methods used practical : c3 : Conducts field visits To learn about diagnostic characteristics of the plant	Theory: Botanical diagnosis Practical: field observations visits Field	Theory : -Auditory methods. -Style of writing on The blackboard. -Direct dialogue style Practical : Assigning tasks and reports	Exams, Homework, Reports
9	2Theory 3 Pract	Theory: c2: Suggests adjectives And classification indications practical : c4: Evaluates economic importance For pl families of field crops	Theory: Classification traits evidence Practical: Methods of diagnosing families Vegetarianism	Theory : -Auditory methods. -Style of writing on The blackboard. -Direct dialogue style Practical : Assigning tasks and reports	Exams, Homework, Reports
10	2Theory 3 Pract	Theory: d1 : He conducts seminars o the most important characteristics used in plant classification practical : a16 : Get to know the Najili family and some of its related species Data Show	Theory: Characteristics used in plant taxonomy Practical: The Poaceae family	Theory : -Auditory methods. -Style of writing on The blackboard. -Direct dialogue style Practical : Assigning tasks and reports	Exams, Homework, Reports
11	2Theory 3 Pract	Theory: e1: Justifies the importance using chemical classification and byproducts practical : a17: Identify the leguminous family And some of its related species Data Show	Theory: principles of chemical classification Practical: Legume family	Theory : -Auditory methods. -Style of writing on The blackboard. -Direct dialogue style Practical : Assigning tasks and reports	Exams, Homework, Reports

12	2Theory 3 Pract	Theory: e2: Determines the appropriate classification for the plant kingdom Practical: a18: Get to know the Crusader family And some of its related species Data Show	Theory: Classification of the plant kingdom Practical: The Crusader family	Theory : -Auditory methods -Style of writing on The blackboard. -Direct dialogue style Practical : Assigning tasks and reports	Exams, Homework, Reports
13	2Theory 3 Pract	Theory: a8: Compares monocotyledons and dicotyledons practical : a19: Identify the compound family And some of its related species Data Show	Theory: Describe the gymnosperm Practical: Compound family	Theory : -Auditory methods -Style of writing on The blackboard. -Direct dialogue style Practical : Assigning tasks and reports	Exams, Homework, Reports
14	2Theory 3 Pract	Theory: a7: Get to know the most important families Dicotyledons practical: a20: Get to know marshmallow family And some of its related species Data Show	Theory: Angiospermeae class Practical: Malacaceae family	Theory : -Auditory methods -Style of writing on The blackboard. -Direct dialogue style Practical : Assigning tasks and reports	Exams, Homework, Reports
15	2Theory 3 Pract	Theory: a6: recognizes Types of plants covered with seeds practical : c5: He makes field visits to learn about the types of plant families he explained	Theory: Some seed cover families Practical: field observations Field visits	Theory : -Auditory methods -Style of writing on The blackboard. -Direct dialogue style Practical : Assigning tasks and reports	Exams, Homework, Reports

11. Course Evaluation				
	Evaluation Methods	Evaluation Date	Degree	Relative weight %
	Final report theory + pract. Report	Theory 15 weeks Pract. 1-15 week	7 Theory + 6 pract.	% 13
	Short exam (1)	Week (3)	4 Theory + 2 pract.	% 6
	Half exam (theory + pract.)	Week (9)	10 Theory + 5 pract.	% 15
	Short exam (2)	Week (12)	4 Theory + 2 pract.	% 6
	Final exam (practical)	Exam pract.	20	% 20
	Final exam (theory)	Exam theory	40	% 40
			100	% 100
12. Learning and Teaching Resources				
	Required textbooks (curricular books, if any)	Forest tree classification book		
	Main references (sources)	Classification of flowering plants / Mansour Al-Kateb		
	Recommended books and references (scientific journals, reports...)	Principles of field crops https://ar.wikipedia.org/ .		

Teacher of Theory : Dr. Shahla Abd alrazzak basheer

Chairman of the Scientific Committee

: Prof weam tahita Rasheed

Head of the Dept. of Forestry Sciences: Dr. ~~_____~~

Mohammad M. Aziz