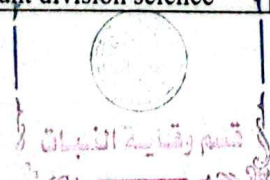


Course Description Form

1. Course Name:					
Plant taxonomy					
2. Course Code:					
PLCL218					
3. Semester / Year:					
First Semester / 2023-2024					
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 (75)/ 3.5 units					
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 : - 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 Developing the student's ability to deal economically in the field the job.			Practical : -Developing the student's ability to deal with multiple media. - Developing the student's ability to dialogue and discuss		
9. Teaching and Learning Strategies					
Strategy		-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	Theory: Objectives of plant division science	Theory : -Auditory methods,	Exams, Homework,



		<p>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</p>	<p>and its relationship with other sciences Practical: Vegetative characteristics of plants</p>	<p>-Style of writing on The blackboard. -Direct dialogue style Practical : Assigning tasks and reports</p>	<p>Reports</p>
3	<p>2Theory 3 Pract</p>	<p>Theory: : a4 recognizes the stages and the eras through which the science of division passed practical ; a11,b2: recognizes 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</p>	<p>Theory: A historical overview of science Plant division Practical: Vegetative characteristics of plants</p>	<p>Theory : -Auditory methods, -Style of writing on The blackboard. -Direct dialogue style Practical : Assigning tasks and reports</p>	<p>Exams, Homework, Reports</p>
4	<p>2Theory 3 Pract</p>	<p>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 Vein shapes</p>	<p>Theory: The foundations of plant evolution and the basic trends of evolution Practical: Vegetative characteristics of plants</p>	<p>Theory : -Auditory methods, -Style of writing on The blackboard. -Direct dialogue style Practical : Assigning tasks and reports</p>	<p>Exams, Homework, Reports</p>
5	<p>2Theory 3 Pract</p>	<p>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</p>	<p>Theory: Taxa classifications Practical Reproductive traits</p>	<p>Theory : -Auditory methods, -Style of writing on The blackboard. -Direct dialogue style Practical : Assigning tasks and reports</p>	<p>Exams, Homework, Reports</p>
6	<p>2Theory 3 Pract</p>	<p>Theory: b1: Uses scientific names the correct one Practical :a14: Recognizes unlimited inflorescences - limited inflorescences - is</p>	<p>Theory: principles of botanical nomenclature Practical: Reproductive traits</p>	<p>Theory : -Auditory methods, -Style of writing on The blackboard. -Direct dialogue</p>	<p>Exams, Homework, Reports</p>



		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 the classification systems The talk practical : a15: Identify fruits - types Fruits – other auxiliary qualities According to classification - branches – bark	Theory: Modern classification system (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 observation - 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 plant 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 on 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 queen 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 gymnosperms 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 the 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 types of plant families explained	Theory: Some seed cover families Practical: field observation - 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

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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

Teacher of Practical : Dr. Shahla Abd alrazzak basheer

Chairman of the Scientific Committee:

Head of the Department:

