

Course Description Form

| 1. Course Name: | | | | | |
|--|---------------------|---|--|---|--------------------------|
| Plant classification | | | | | |
| 2. Course Code: | | | | | |
| PLCL218 | | | | | |
| 3. Semester / Year: | | | | | |
| First Semester / 2024-2025(Autumn semester) | | | | | |
| 4. Description Preparation Date: | | | | | |
| 1/2/ 2025 | | | | | |
| 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 Developing the student's ability to deal economically in the field the job. | | | <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 | | |
| 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 |

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| 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 |

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| | | 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 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 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 of 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 |

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|----|--------------------|---|--|--|--------------------------------|
| 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 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 : e5: He makes field visits to learn about the type of plant families he 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 |
| | 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.

Chairman of the Scientific Committee

:

Head of the Dept.:Dr.

Moyassar Mohammed Aziz