



Ministry of Higher Education and Scientific Research

Mustansiriyah University /College of Science

Department of Mathematics

(القسم الدراسي للمعاقلة)

Course Plan



Course No.:

Course Name: Linear Algebra

Course Website:

Time Division: 2 hr Theoretical

Semester & Year: First, 2022 / 2023

Course Description:

linear equation and matrices, Solving Linear system, Determinants, Real vector space , inner product space ,linear Transformation matrices

Course Intended Outcomes:

At the end of the Course, students are expected to learn linear equation and matrices and solving linear system

Course Outline:

Week	Description depends on the Timing table (Theoretical & Practical)
1	System of linear equation
2	Matrices
3	Algebraic properties of matrix
4	Operation Matrix Multiplication
5	Special types of Matrices and partitioned Matrices
6	Solving linear system,
7	Elementary Matrices, the equivalent Matrices
8	Determinants , properties of Determinants
9	Cofactor expansion
10	Inverse of matrix
11	Other application of determinants
12	Vector in the plane and in the space
13	Vector space
14	Subspace ,span
15	Linear algebraic system

Books:

- [1] linear Algebra an introductory approach
- [2] linear algebra. intermediate. Mark Dugopolski

Suggested references:

[1]:

Marking:

First Semester				Final Exam
1st exam	2nd exam	Practical	Activity	
10	10	5	5	70

Assignment/ Project	Description	Due Date	Marking
test	written exam	1/12/2019	3
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Instructor(s) information [معلومات الأستاذ]

Department: (Atmospheric Sciences) ; Lecture Room: [B201 | ; Office


Instructor's Name: **Dr. Laheeb Muhsen Noman**

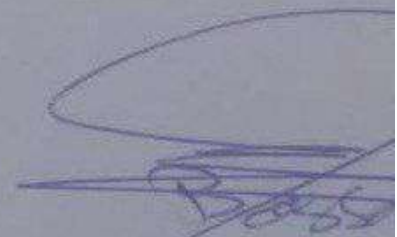
E-Mail: laheeb_muhsen@yahoo.com

Office Hours : Mon.: | 10 :30 – 12 :30 |

NOTES:

- Office Hour: Other office hours are available by appointment.
- The content of this syllabus not be changed during the current semester.


Lecturer Signature


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