



Ministry of Higher Education and Scientific Research

Mustansiriyah University /College of Science

Department of Mathematics

(الخطوة الدراسية للمسابق)

Course Plan



**Course No.:**

**Course Name:** Calculus I

**Course Website:** [www.mustansiriyah.edu.iq](#)

**Course Description:**

( 4 credit hours)

The sets, Inequalities, Cartesian plane, The functions, Trigonometric functions, Logarithmic & exponential functions, Limits & Continuity.

**Course Intended Outcomes:**

At the end of the Course, students are expected to learn some skills about the calculus.

**Time Division:** 2hr Theoretical

**Semester & Year:** First, 2022 / 2023

**Course Outline:**

Week	Topics Covered
1	The sets
2	Inequalities
3	Intervals
4	Absolute value
5	Domain and Rang
6	Cartesian plane
7	Equations of straight line
8	The functions
9	Operation on functions
10	Trigonometric functions
11	Logarithmic functions
12	The exponential functions
13	Limits
14	Infinite limits
15	Continuity

Textbooks:

[1]: حساب التفاضل والتكامل / تأليف فريد / 1998

Suggested references:

[1]: Thoma's Calculus / By George B. Thomas, Jr./ 1968

Marking:

Class Components				Final Exam
1st exam	2nd exam	Practical	Activity	
10	10	5	5	70

Assignment/ Project	Description	Due Date	Marking
quiz	oral		2
			3

Instructor(s) information [معلومات الأستاذ]

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

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

Mail: [laheeb\\_muhsen@yahoo.com](mailto:laheeb_muhsen@yahoo.com)

Office Hours : Mon : [08:30 –10:30]

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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