Course Description Form

1. Course Name:
Computer mathematics

2. Course Code:
MS309

3. Semester / Year:
Second 2024- 2025

4. Description Preparation Date:
30/ 3/2024

5. Available Attendance Forms:
Theory & Lab

6. Number of Credit Hours (Total) / Number of Units (Total)
60hrs   4 units

7. Course administrator's name (mention all, if more than one name)

Name: Dr. Thekra Ibraheem Latif
          Noor sawd abd
Email: thekra.i.latif@tu.edu.iq
          noor.s.abd @tu.edu.iq

8. Course Objectives

Course Objectives	1. Know the history & the basic concepts of matlab. 2. How to install matlab. 3. Know the basic interfaces of matlab & the commands. 4. Know how input all commands. 5. Learning how to graph in D2, D3. 6. Know what the algorithm & flowchart. 7. Programming in matlab

9. Teaching and Learning Strategies

Strategy	Type something like: The main strategy that will be adopted in delivering this module is to encourage students' participation in the exercises, while at the same time refining and expanding their critical thinking skills. This will be achieved through classes, interactive tutorials and by considering type of simple experiments involving some sampling activities that are interesting to the students.

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	4	Definition & examples	History & definition of Matlab.	Course & Lab	Examinations: daily &

					monthly
2	4	Definition & examples	The basic interface of matlab .	Course & Lab	Examinations: daily & monthly
3	4	Definition & examples	The basic interface of matlab.	Course & Lab	Examinations: daily & monthly
4	4	Definition & examples	Define mathematics structure	Course & Lab	Examinations: daily & monthly
5	4	Definition & examples	Important command in matlab.	Course & Lab	Examinations: daily & monthly
6	4	Definition & examples	Write different equations.	Course & Lab	Examinations: daily & monthly
7	4	Definition & examples	Graphe in matlab D2, D3.	Course & Lab	Examinations: daily & monthly
8	4	Definition & examples	Graphe in matlab D2, D3.	Course & Lab	Examinations: daily & monthly
9	4	Definition & examples	Program in matlab	Course & Lab	Examinations: daily & monthly
10	4	Definition & examples	Program in matlab	Course & Lab	Examinations: daily & monthly
11	4	Definition & examples	Program in matlab	Course & Lab	Examinations: daily & monthly
12	4	Definition & examples	Program the mathematical methods.	Course & Lab	Examinations: daily & monthly
13	4	Definition & examples	Program the mathematical methods.	Course & Lab	Examinations: daily & monthly
14	4	Definition & examples	Equation 3D and programming	Course & Lab	Examinations: daily & monthly
15	4	Definition & examples	Preparatory week before the final Exam	Course & Lab	Examinations: daily & monthly