University of Baghdad
College of Engineering/ Department of Environmental Engineer

EnE208 Computer programming
Tentative Course Outline 2023-2024

Instructor: Dr. Zainab Kadhim Abdulsada
Email: Zainab.alsada@coeng.uobaghdad.edu.iq

Lecture schedule: Thursdays   8:30 to 9:30 am/ 9:30 to 10:30 am

Lab schedule: Tuesdays 10:30 am to 12:30 pm/ Wednesdays 8:30 to 10:30 am

Course Description

To develop an understanding of MATLAB programming language.
This is an introduction to MATLAB and its popular toolboxes. Lectures are interactive, with students conducting sample MATLAB problems in real time. This course includes problem-based MATLAB assignments. Students may bring their own laptop and software. This course represents a great preparation for classes/projects that use MATLAB.

The goal of this course is that the students will be able to use MATLAB at introductory level and hence gain useful computational skills that are applicable to their field of study.

Grading:

- Class attendance, discussion and participation, and assignment (6%)
- 1st midterm exam (12%)
- 2nd midterm exam (12%)
- Lab (10%)
- Final Exam (60%)

Textbooks:

- Dr. Zainab Kadhim Abdulsada, Lecture Notes for EnE208 computer programming 2023-2024. Available on Google Classroom prior to lecture.

Tentative course schedule:

Week	Date	Lecture	Week	Date	Lecture
1	Oct.12	Introduction	16	Jan.25	Mid-term break
2	Oct.19	Arrays	17	Feb.1	Input/output
3	Oct.26	Symbolic math	18	Feb.8	Selection
4	Nov.2	Plotting	19	Feb.15	Relational and logical operator
5	Nov. 9	Matrix	20	Feb.22	Logical vector
6	Nov.16	Linear algebraic equations	21	Feb.29	Practicing
7	Nov.23	m-files/global and local variables	22	Mar.7	Holiday (expected)
8	Nov.30	dsolve	23	Mar.14	
9	Dec.7	If-else	24	Mar.21	Norouz Holiday
10	Dec.14	Loop	25	Mar.28	
11	Dec.21		26	Apr.4	Review
12	Dec.28	Holiday (expected)	27	Apr.11	Eid Al-Fater (expected)
13	Jan.4	Review	28	Apr.18	2nd term exam
14	Jan.11	1st term exam	29	Apr. 25	-------
15	Jan.18	Mid-term break	30	Apr.30/ May 2	-------

Note:

Course content is subject to change based on time limitations and class progress.