

ENE 102-112 COMPUTER PROGRAMMING**2023-2024 SPRING Midterm-Take Home Part, Deadline: 24.05.2024**

- * All solutions must be prepared by handwriting (For by hand questions).
- * You can send solutions as m files and screenshots.
- * All solution steps should be seen clearly in the solutions sent as screenshots.
- * The solutions will be delivered to the lecturer or the department secretariat, solutions sent by e-mail will not be accepted.

1- Do the following calculations on the matrices given below.

$$A = \begin{bmatrix} 1 & 2 \\ 3 & 4 \end{bmatrix} \quad B = \begin{bmatrix} 5 & 2 & 1 \\ 3 & 6 & 1 \\ 2 & 0 & 3 \end{bmatrix}$$

- Find the determinant of the matrices by hand and by MATLAB.
- Find the inverses of the matrices by hand and by MATLAB.

Good Luck ☺