



# LEBANESE AMERICAN UNIVERSITY

## Electrical and Computer Engineering Dept

COE 755

### Queueing Theory

Spring 2019

W. FAWAZ

### Simulation Project I

#### Reading Assignments

Read **Chapter 1** of the simulation book.

#### Problem Statement

Do the hand simulation of the machine interference problem, discussed in section

1.3.1 (pp. 5-11), for the following cases:

- a) Use as repair and operational times the last digit of your **student ID number** assuming you have only one repairman. Then,
- b) Redo (a) varying the number of repairmen from 1 to 3.
- c) Redo (a) and (b) assuming that the machines are not repaired in a FIFO manner, but according to which machine has the shortest repair time.