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| **Date** | **Material** | **Home Work** |
| **Sunday 15-11-1436 H** | MATLAB lecture which will cover:  MATLAB desktop environment (command window, workspace window, command history window, current folder window),  variables, operations,  definition of algorithms, definition  of computer  programs, introduction  to M-files. | 1. Some calculations   on the command window.   1. Create an M-file.   Deadline:  The tutorial lecture on  Sunday 22-11-1436H |
| **Sunday 22-11-1436 H** | MATLAB lecture which will cover:  M-file function that returns a single  result, calling a function, relational  operations (>,<,==,…), logical  operations (||, &&,..),  If statements, while statements,  The ‘fprintf’  function, the ‘feval(.,.)’  function. | 1. Create an M-file   Function that uses if and  while statements.  Deadline:  The tutorial lecture on Sunday 21-12-1436H |
| **Sunday 26-1-1436 H** | MATLAB lecture which will cover:  Matrix operations (array multiplication “.\*”, matrix  multiplication, addition,  and subtraction), inverse of a  matrix, matrix transpose, solving linear systems, determinant  of a matrix, plotting  functions in 3D (ezmesh, ezsurf). | 1. Perform some matrix   calculations.   1. Plot a surface   in 3D.  Deadline:  The tutorial lecture on Sunday 4-2-1436H |