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| **Week** | **Material** | **Home Work** |
| **1-2** | MATLAB lecture which will cover:MATLAB desktop environment (command window, workspace window, command history window, current folder window),variables, operations,definition of algorithms, definitionof computerprograms, introductionto M-files. | 1. Some calculations

on the command window.1. Create an M-file.
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| **3-4**  | MATLAB lecture which will cover:M-file function that returns a singleresult, calling a function, relationaloperations (>,<,==,…), logicaloperations (||, &&...),If statements, while statements,The ‘fprintf’function, the ‘feval(.,.)’function. | 1. Create an M-file

Function that uses if andwhile statements. |
| **5-6** | MATLAB lecture which will cover:Matrix operations (array multiplication “.\*”, matrixmultiplication, addition,and subtraction), inverse of amatrix, matrix transpose, solving linear systems, determinantof a matrix, plottingfunctions in 3D (ezmesh, ezsurf). | 1. Perform some matrix

calculations.1. Plot a surface

in 3D.  |