

University of Salahaddin  
College of Administration and Economics  
Department of Statistics

## **Subject:MATLAB**

**B.Sc., in Statistics**  
**Second Class -Academic Year**  
**Second Course (2022 – 2023)**

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Lecture-1	Chapter One Descriptive statistics Mean
Lecture-2	Mode Example
Lecture-3	Median Example
Lecture-4	Standard deviation Variance Range
Lecture-5	Inter – quartile Range
Lecture-6	Skewness kurtosis
Lecture-7	Chapter Two Simple Linear Correlation Matrix and Covariance Matrix
Lecture-8	Simple Linear Regression
Lecture-9	Mean Square Error Standard Error.

Lecture-10	Chapter Three Plot
Lecture-11	Subplot
Lecture-12	Homework
Lecture-13	Plotting Data Making Pretty Pictures 2-D plots Plot several sets of data on the same figure Label for plots e.g. Xlabel, Ylabel, Title, Legend, axis limits
Lecture-14	Generating Random Numbers
Lecture-15	More on Plotting, e.g. Linewidth, changing fonts, changing colors, grids, subplots, ... etc. Surface and 3D plots, with all options used in 2-D plots.