

These are the lessons covered through the 2<sup>nd</sup> Semester

**Chapter 4: Correlation and Regression**

Pg. 131 - 165

Section 4-1: Scatter Diagrams and Linear Correlation

Section 4-2: Linear Regression and the Coefficient of Determination

Chapter Summary & Review Problems

Pg. 166 - 168

**Chapter 5: Elementary Probability Theory**

Pg. 175 - 214

Section 5-1: What Is Probability?

Section 5-2: Some Probability Rules—Compound Events

Section 5-3: Trees and Counting Techniques

Chapter Summary & Review Problems

Pg. 214 - 220

**Chapter 7: Normal Curves and Sampling Distribution**

Pg. 267 - 300

Section 7-1: Graphs of Normal Probability Distributions

Section 7-2: Standard Units and Areas Under the Standard Normal Distributions

Section 7-3: Areas Under Any Normal Curve

Section 7-4: Sampling Distribution

Section 7-5: The Central Limits Theorem

Section 7-6: Normal Approximation to Binomial Distribution

Chapter Summary & Review Problems

Pg. 326 - 329

**Very Important REMARKS for studying for your SEMESTER-EXAM:**

\*\* Please refer to your **CLASS-NOTES** and **BOOK** when you study.

\*\* Solve the **REVIEW** questions and **CHAPTER-TEST** after each chapter & the **CUMULATIVE-REVIEW**.

\*\* Revise **ALL** your previous **TESTS** & **QUIZZES** & **H.W.** & **C.W.** to know your common mistakes.

**Happy Summer Vacation to every 1**

*Mr. Aly Omar El Garraya*