**الإحصاء للعلوم الإدارية ( 220 )**

**ISOM(220) - Business Statistics**



**Semester: Fall2023/2024**

**Instructor: Prof. Shaarawy, Samir**

**Text book:**  **Essentials of Business Statistics**

  **Edition :** 5th Edition

 **Authors :**  Bruce L. Bowerman, Richard T. O’Connell,

Emily S. Murphree, J. B. Orris

 **Publisher:**  McGraw-Hill - Irwin

**Prerequisites :** QM 120 **Medium of Instruction:**

 **Lectures:** English

 **Note :** English

 **Exams and Exercises :** English

**Lecture type :** Ordinary lecturing + Exercises+ Special Videos+ Computer Lab

 **Course Content:**

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| **Chapter 6: (Review) Normal Distribution** |  **3 Videos on Teams** |
| **Chapter 7: Sampling and Sampling Distribution**  |  **sections : 1, 2, 3**  |
| **Chapter 8: Confidence Intervals**  |  **sections : 1 to 4**  |
| **Chapter 9: Hypothesis Testing**  |  **sections : 1 to 4 and 6 to 7**  |
| **Chapter 10: Statistical Inference Based on Two-Samples**  |  **sections : 1 to 5**  |
| **Chapter 11: Experimental Design and Analysis of Variance**  |  **sections : 1 and 2**  |
| **Chapter 12: Chi-Square Tests**  |  **section : 2**  |
| **Chapter 13: Simple Linear Regression Analysis**  |  **Sections :1 to 5 and 7**  |
| **Chapter 14: Multiple Regression and Model Building**  |  **sections : 1 to 6**  |

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