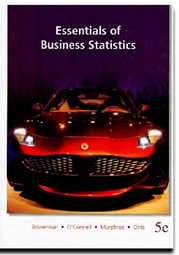
**الإحصاء للعلوم الإدارية ( 220 )**

**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:**

|  |  |
| --- | --- |
| **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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