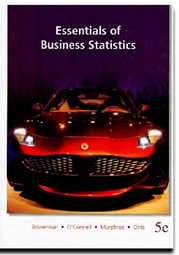
**الإحصاء للعلوم الإدارية ( 220 )**

**QM (220) - Business Statistics**



**Semester: Spring 2022/2023**

**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** |

**Office Hours: Sunday, Tuesday, and Thursday 1:15 – 2:00**

**Exams:**

**Exams: 2 Midterm Exams (up to 60 min. each) + 3 short Quizzes (12 minutes each- best 2 Quizzes will be taken)+ tutoring. All will count for 60% of the total course grade (40% for the Midterm Exams+ 15% for the quizzes+5 % for tutoring).**

**Final Exam : 9/05/2023 - 11:00 am to 1:00 pm**

**Grade Distribution:**

# 60% - Exams, Quizzes, and tutoring 40% - Final Exam

**Kuwait University Grade Scale:**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Grade** | **F** | **D** | **D+** | **C-** | **C** | **C+** | **B-** | **B** | **B+** | **A-** | **A** |
| **Scale** | **< 60** | **60-** | **65-** | **70-** | **73-** | **77-** | **80-** | **83-** | **87-** | **90-** | **95 - 100** |
| **Point** | **0** | **1** | **1.33** | **1.67** | **2** | **2.33** | **2.67** | **3** | **3.33** | **3.67** | **4** |