**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:**

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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**  |

**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:**

|  |  |  |  |  |  |  |  |  |  |  |  |
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| **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**  |