



***Department of - General Education***

***University of Cihan- Sulaimaniya***

***Subject: Educational Statistics***

***Course Book – Year -2023-2024***

***Stage-Two***

***Lecturer's name - Prof.Dr. Obaid Mahmood Mohsin***

***Academic Year: 2023/2024***

## Course Book

<b>1. Course name</b>	Educational Statistics
<b>2. Lecturer in charge</b>	Prof.Dr.Obaid Mahmood Mohsin
<b>3. Department/ College</b>	General Education
<b>4. Time (in hours) per week</b>	3
<b>5. Office hours</b>	4 for morning
<b>6. Course code</b>	CUES 84027
<b>7. Teacher's academic profile</b>	<i>obaidmohsin808@gmail.com</i>
<b>8. Keywords</b>	
<p><b>9- Course overview :</b> At the end of this course the student will:-</p> <p>1-Understand what is the meaning of Statistics, Population, Sample, Elements, Variables, and other definitions.</p> <p>2- Learn how to collect, describe, summarize, classified and interpret data.</p> <p>3 - Understand and apply the Measures of Central tendency, like the Mean , The Median, and the Mode.</p> <p>4- Understand and apply the Measures of Dispersion, like Range (R), Variance (<math>S^2</math>), Standard deviation(S), and the coefficient of variation ( CV).</p>	
<p><b>10. Course objective:</b></p> <p>This course is designed to help the students enrolled in the first semester how to use the Statistical Techniques. The course combines the best of the traditional methods with more recent modern approaches. The main objective is to help students how to use statistical techniques or methods to collect data and information from different sources and summarized in different ways, classified data in to different classes and groups , analyzed data by different statistical methods and interpret the results to take decisions.</p>	
<p><b>11. Student's obligation</b></p> <p># Note book</p> <p>#Solve exercises -&amp;Four Sets of problems &amp;Its solving</p> <p>#Midterm Examination</p> <p>#Final examination</p>	
<p><b>12. Forms of teaching</b></p> <p>Give the title of lecture</p> <p>Summary about it</p> <p>Explain it</p> <p>Solve examples</p> <p>homework</p>	
<p><b>13. Assessment scheme</b></p> <p>ECTS        4.00</p> <p>Units         3</p> <p>Type          S</p>	

**14. Student learning outcome:**

At the end of semester the students understand : what is Statistics ,why study Statistics ,Some definitions ( population, element ,observation ,data set ,variable , sample , sampling ) , types of : statistics, variables, data , samples ,Statistical method and its steps ,How tabulate and represent Qualitative and Quantitative data-frequency distribution ,relative frequency distribution, percentages distribution, bar graph, pie chart, histogram, polygon , cumulative distribution ,ogive .

Mean , median , mode, how calculate the value of every one of them for the grouped and ungrouped data and how explain them .

Variance , standard deviation, range ,how calculate the value of every one for grouped and ungrouped data and how to explain them.

Also solve more than **60** exercises

**15. Course Reading List and References:**

Key references: Statistics for Business and Economics- 2000/Anderson , Sweeny

- Useful references: Statistics for Management and Economics 2003 –Gerald Keller & Brian Warrak.

- Statistics for Economics, Accounting and Business Studies /Michael Barrow.

- Comprehensive Statistical Methods-2007/P.N.ARORA

Introductory Statistics

PREM S.MANN Sixth Edition---john wily &sons ,inc 2006

**16. The Topics:****17. Peer review**

Topic one : Introduction and definitions. & Exercises (Set of 14 questions and solving )

Topic two: Tabulating and Graphing Qualitative and Quantitative Data.& Exercises (Set of 15 questions and solving )

Topic Three: Measures of Central Tendency.& Exercises (Set of 15 questions and solving )

Topic four : Measures of Dispersion & Exercises (Set of 10 questions and solving )

**Main Lecturer incharged**

**Head of The Department**