Department of ………Computer……………...........

College of ………………Science………………………..

University of…Cihan Campus / Sulaimaniay….

Subject: Advanced Database II

Course Book – Year-1 /Semester 2.

Lecturer's name: Dr.Nzar A. Ali, PhD.

Academic Year: 2022/2023

1. Course name	Advanced Database II
2. Lecturer in charge	Dr.Nzar A. Ali
3. Department/ College	Computer / Science
4. Contact	e-mail:nzar.ali@sulicihan.edu.krd mob:07701537381
5. Time (in hours) per week	Theory: 2-hours Practical:2-hours
6. Office hours	Tuesday 11:00-1:00
7. Course code	-
8. Keywords	Statistics, Parameters, Data types

9. Course overview:

Statistics is the art of using data to make numerical conjectures about problems. Descriptive statistics is the art of summarizing data. Topics include: histograms, the average, the standard deviation, the normal curve, correlation. Much statistical reasoning depends on the theory of probability. Topics include: chance models, expected value, standard error, probability histograms, convergence to the normal curve. Statistical inference is the art of making valid generalisations from samples. Topics include: estimation, measurement error, tests of statistical significance

10. Course objective:

This is an introductory course in statistics designed to provide students with the basic concepts of data analysis and statistical computing. Topics covered include basic descriptive measures, measures of association. The main objective is to provide students with pragmatic tools for assessing statistical claims and conducting their own statistical analyses.

11. Student's obligation

-Quizzes suddenly happened without a prior notice.
-If 10-minute late attendance, student will be considered as absent.
-meeting deadlines for assignments.

12. Forms of teaching

 Contact hours: 2 theoretical weekly hours with discussions + Assignments. lecture notes will be introduced using power point representation.

13. Assessment scheme

Students' assessment will be evaluated according to the following scheme

Midterm Theoretical exam	40 marks
Activities	10 marks
Final Theoretical exam	50 marks

14. Course Reading List and References:

1- Probability and Statistics for Computer Science

15. The Topics:

Theory Syllabus

NO	Subject Title
1	Introduction to the Course and Overview of Course and Requirements
2	Introduction to data Types
3	Variables
4	Data collection principles, Frequency Distribution
5	Population and samples
6	Examining numerical data
7	Graphical methods: histograms and other graphs
8	Midterm Exam
9	-
10	Method of Central Tendency
11	Mean, Mode, Median
12	Method of variation
13	Range, Variance ,Standard deviation
14	Skewness
15	Kurtosis
16	Final exam

16. Practical Topics (If there is any)

Dr.Nzar A. Ali