

University: Al-qadesiayh

College: biotechnology

Department: Agri. biotechnology

Stage: second

Lecturer name: Khalid Hasan

Academic Status: MAIS

Qualification:Mcs

Place of work: agriclture Dep

Republic of Iraq

The Ministry of Higher Education

& Scientific Research

Course Weekly Outline

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Course Instructor | Khalid Hasan | | | | |
| E\_mail | Khmfa122@gmail.com | | | | |
| Title | biostatistics | | | | |
| Course Coordinator |  | | | | |
| Course Objective | After completing this chapter, the student will be able to   1. Define Statistics and Biostatistics 2. Enumerate the importance and limitations of statistics 3. Define and Identify the different types of data and understand why we need to classifying variables | | | | |
| Course Description | This lecture note is primarily for biotechnological Agriculture and Medical students who need to understand the principles of data collection, analysis, presentation and description of data | | | | |
| Textbook |  | | | | |
| References | Fundamentals of Statistics by S.G. GUPTA  Seventh Revised and Enlarged Edition | | | | |
| Course Assessment | Term Tests | Laboratory | Quizzes | Project | Final Exam |
| As (35%) | As (15%) | As (10%) | ---- | As (40%) |
| General Notes | These lecture notes have been used at Basics of Statistics course held in Universityof Al-qadesiayh College of biotechnology first year Sec-Sem. It is also valuable to diploma students of environmental health, nursing and laboratory technology although some of the topics covered are beyond their requirements. The material could also be of paramount importance for an individual who is interested in medical or public health research. | | | | |

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| --- | --- | --- | --- | --- |
| week | Date | Topics Covered | Lab. Experiment Assignments | Notes |
| 1 |  | Definitions, Scope and Limitations |  |  |
| 2 |  | Biostatistics in overview |  |  |
| 3 |  | Introduction to sampling methods |  |  |
| 4 |  | Collection of data |  |  |
| 5 |  | Classification |  |  |
| 6 |  | Tabulation |  |  |
| 7 |  | [Frequency distribution](#_TOC_250004) part 1 |  |  |
| 8 |  | [Frequency distribution](#_TOC_250004) part 2 |  |  |
| 9 |  | Diagramatic and graphical representation part 1 |  |  |
| 10 |  | Diagramatic and graphical representation part 2 |  |  |
| 11 |  | Measures of Central Tendency |  |  |
| 12 |  | Measures of Dispersion |  |  |
| 13 |  | Skewness and Kurtosis |  |  |
| 14 |  | Correlation |  |  |
| 15 |  | Regression |  |  |
| 16 |  | Index numbers |  |  |
| Half- year Break | | | | |

Instructor Signature: Dean Signature: